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# Connecting PHP with MongoDB and

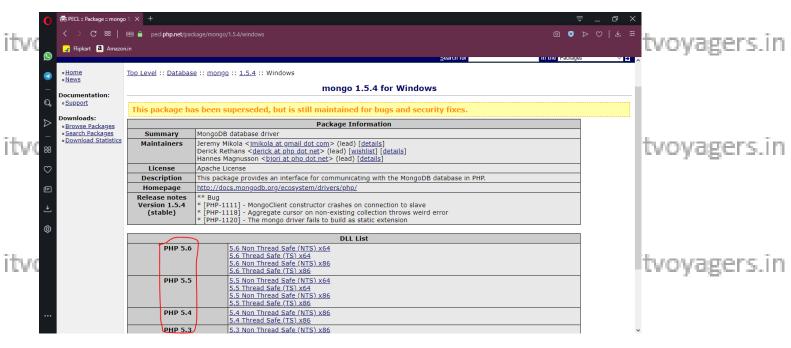
## inserting, retrieving, updating and

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## **PHP mongo Driver Setup**

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#### <u>PHP mongo link</u>



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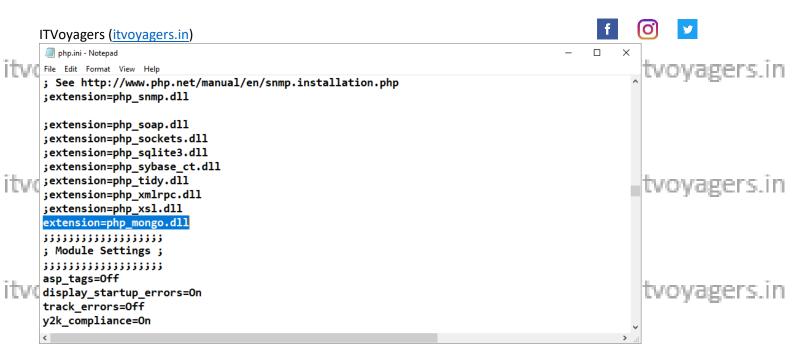
#### We will get following files.

	Name	Date modified	Туре	Size	
itvo	LICENSE.MD	17-06-2014 13:40	MD File	6 KB	
	🚳 php_mongo.dll	17-06-2014 13:40	Application extens	321 KB	ers.in
	📄 php_mongo.pdb	17-06-2014 13:40	PDB File	1,283 KB	
	README.md	17-06-2014 13:40	MD File	4 KB	

itvoNowgcopy "php\_mongo.dll" and pasteitin "C:\xampp\php\ext" ipath.voyagers.in

Now open "php.ini" which is in "C:\xampp\php".

Add "extension=php\_mongo.dll" line in "php.ini".



#### Save the file.

tvovagers in itvovagers in itvovagers in itvovagers in itvovagers.in itvovagers.in itvovagers.in Add "C:\xampp\php" in path of environment variable.

	System ← → ✓ ↑ ♥ > Control Par	al a Sustana and S	acurity a System 1				- □ ✓ ♂ Search Co	×
	Control Panel Home	View basic ir	Environment Variables		×		V O Search Co	2 2
	Device Manager	Windows edition	User variables for Welcome		Edit environment vari	iable	×	
itue	😯 Remote settings	Windows 10	Variable	Value	C) Program (Film)	MongoDB\Server\4.0\bin\		tuovaners in
$1.5 \pm 2.5$	💗 System protection	© 2018 Micr	OneDrive	C:\Users\Welcome\OneDrive	C:\Program Piles\ C:\Python27\	(wongobb(server(4.0)bin)	New	tvoyagers.in
	Section 2 Advanced system settings	System	OneDriveConsumer Path	C:\Users\Welcome\OneDrive C:\Users\Welcome\AppData\Local\Programs\Python\F	C:\Program Files (	(x86)\Python37-32\Scripts\ (x86)\Python37-32\	Edit	
		Processor:	ТЕМР ТМР	C:\Users\Welcome\AppData\Local\Temp C:\Users\Welcome\AppData\Local\Temp	C:\Program Files (	Java\jdk-10.0.2\bin (x86)\Common Files\Oracle\Java\javapath	Browse	
	System Properties				C:\Python27\Scrip C:\Program Files\		Delete	
	Computer Name Hardware Advanced You must be logged on as an Administra			New Edit	C:\xampp\php	5	Move Up	
	Performance		System variables				Move Down	gs
	Visual effects, processor scheduling, m	emory usage, and virt	Variable	Value				
îtvo		5	ComSpec DriverData	C:\Windows\system32\cmd.exe C:\Windows\System32\Drivers\DriverData			Edit text	tvoyagers.in
	User Profiles		NUMBER_OF_PROCESSORS OS	4 Windows NT				. –
	Desktop settings related to your sign-in		PATH_ PATHEXT	C:\Program Files\MongoDB\Server\4.0\bin\;C:\Python: .COM;:EXE;.BAT;.CMD;:VBS;.VBE;JS;JSE;.WSF;.WSH;.MS				
			PROCESSOR ARCHITECTURE					cey
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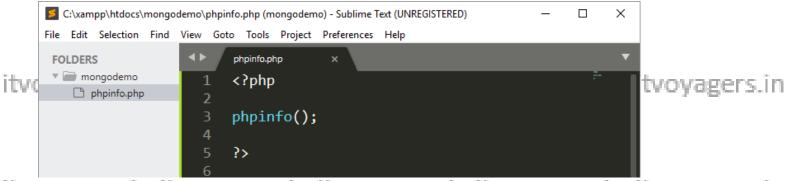
#### Now start XAMPP server.

Γ		Control Pan	el v3.2.2 [Compile	d: Nov 12th	2015 ]			_					
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		Apache MySQL	228	80, 443	Stop Start	Admin Admin	Config Config	Logs Logs	Explorer				
		FileZilla			Start	Admin	Config	Logs	Services				
		Mercury			Start	Admin	Config	Logs	😡 Help				
/d	10:44:25	Tomcat	Attempting to a	test Appel	Start	Admin	Config	Logs	Quit	is.in	itvoy	agers.in	itvoyagers
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rė	ny ras	gere	STIT 15	vory	age	1.20		even	ragei	s.in	itvoy	agers.in	itvoyagers
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#### And write the following code in it.

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itvovagers in itvovagers in itvovagers in itvovagers in itvovagers.in itvovagers.in Once it is done open browser and navigate to "http://localhost/mongodemo/phpinfo.php".

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_	MongoDB Support		enabled	
	Version	1.5.4		
88	Streams Support	enabled		
itta esta	SSL Support	disabled		tuoupgore in
		Supported Authentication Mechanism	tvoyagers.in	
	MONGODB-CR (default)	enabled		
Ē	MONGODB-X509	enabled		
	GSSAPI (Kerberos)	enabled		
<u>↓</u>	PLAIN	enabled		
~~~				
(\$)	Directive	Local Value	Master Value	
	mongo.allow_empty_keys	0	0	
	mongo.chunk_size	261120	261120	
idea a c	mongo.cmd	\$	\$	the second second in
LLAC	mongo.default_host	localhost	localhost	tvoyagers.in
	mongo.default_port	27017	27017	
	mongo.is_master_interval	15	15	
	mongo.long_as_object	0	0	
	mongo.native_long	0	0	
	mongo.ping_interval	5	5	
				v

This column is visible means we have install PHP mongo driver itvoyagers.in itvoyagers.in itvoyagers.in itvoyagers.in itvoyagers.in

## **Database creation.**

We are going to create simple database for students in mongoDB. itvoyagers.in We are going to use GUI tool to connect with mongoDB, to download it click on below downloading link button.

#### https://robomongo.org/download itvoyagers.in itvoyagers.in itvoyagers.in itvoyagers.in itvoyagers.in

#### O ITVoyagers (itvoyagers.in) Install and Open "Robo 3T", you will see the following screen, then click ovagers in itvoyagers in itvoyagers in itvoyagers in itvoyagers in itvoyagers in on "create".

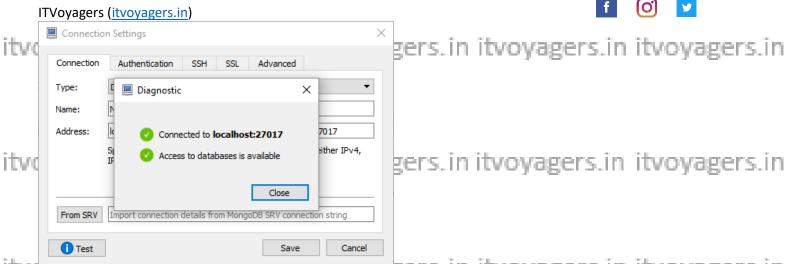
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	Create, edit, remove, done or reorder connections via dragindrop.     Wed, 03 Apr 2019       Name     Address     Attributes     Auth. Database / User     Robo 3T 1.2 is released Mon, 19 Feb 2018	
	Robamango is now Roba 37, with MangaDB 3 E Wed, 14 Jun 2017	
	- Robomongo 1.0 — Official Release Thu, 20 Apr 2017	
itvo	Robomongo has been acquired by 3T - 1 Tue, 14 Mar 2017	tvoyagers.in
	- Changing the name of Robomongo Mon, 13 Feb 2017	
	Robomongo 1.0 RC1 brings support to Replica Thu, 02 Feb 2017	
	- Robomongo 0.9.0 Final Thu, 06 Oct 2016 Thu, 06 Oct 2016	
	Compare collections and view differences side-by-side     Compare collections and view differences side-by-side     Fri, 19 Aug 2016	
itwe	- Explore data schema and find outliers Robomongo RC9 Wed, 01 Jun 2016	tvoyagers.in
1.00	Download Studio 3T	crojogers.m
	All Blog Posts V	
	Logs	

#### We can text connection by clicking on "Test".

Robo 3	r-13	X	tvoyagers.in
	Options Window Help		
itvo	Welcome X Welcome X MongoDB Connection Settings Create, edit, cer Cornection Address: Decahoot Secify host and port of MongoDB server. Host can be either JPv4, JPv6 or domain name. From SRV Import connection details from MongoDB SRV connection string	Robo 3T 1.3 with MongoDB 4.0 support is relea Wed, 03 Apr 2019 Robo 3T 1.2 is released Mon, 19 Feb 2018 Robomongo in now Robo 3T, with MongoDB 3. Wed, 14 Jun 2017 Robomongo 1.0 — Official Release Thu, 20 Apr 2017 Robomongo has been acquired by 3T Tue, 14 Mar 2017 Changing the name of Robomongo	tvoyagers.in
itvo	Compare collections and view differences side-by-side	Mon, 13 Feb 2017	tvoyagers.in
	- Explore data schema and find outlers           Download Studio 3T	Robomongo RC9 Wed, 01 Jun 2016	
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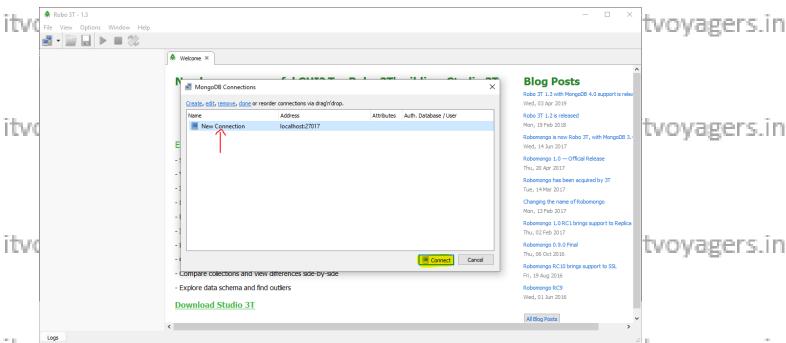
You will see following window which says that there is no problem in connection.

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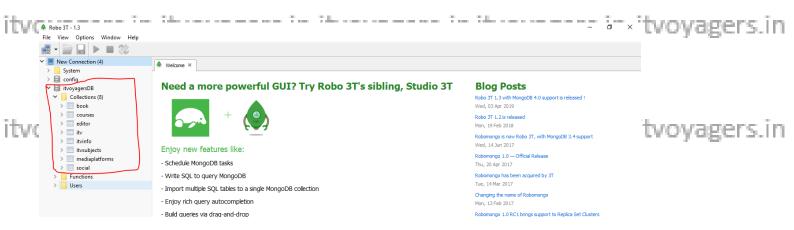
itvoyagers.m.tvoyagers.m.tvoyagers.in itvoyagers.in itvoyagers.in Click on "Close" and the "Save".

We can see this connection in window.



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#### We can see that our previous databases and collections here.



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To create database using "Robo 3T" right-click on "New Connection", itvoyagers.in itvoyagers.in itvoyagers.in itvoyagers.in itvoyagers.in

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itvo		Schedule MongoDB tasks     Write SQL to query MongoDB     Import multiple SQL tables to a single Mo     Enjoy rich query autocompletion     Build queries via drag-and-drop     Import and export in various formats (CS     Break down aggregation queries into stag     Generate driver code in five languages     Compare collections and view differences	Jes	Necessary of the second	tvoyagers.in
itvo	Logs	<ul> <li>Explore data schema and find outlers</li> <li>Download Studio 3T</li> </ul>		Wed, 01 Jun 2016	tvoyagers.in
īda se	Here is our d	atabase.	- :- :- :-	×	'tvoyagers.in
	✓         New Connection (5)           >         System           >         Config           >         StudentDB           ✓         StudentDB           ✓         Collections (0)           >         Functions (0)           >         Users (0)	Need a more powerful o	GUI? Try Robo 3T's sibling, Studio 3T	Blog Posts Robo 37 1.3 with MongoD8 4.0 support is released 1 Wed, 03 Apr 2019 Robo 37 1.2 is released Mon, 19 Feb 2018	
itvo		Enjoy new features like: - Schedule MongoDB tasks - Write SQL to query MongoDB - Import multiple SQL tables to a single Moi - Enjoy rich query autocompletion - Build queries via drag-and-drop - Import and export in various formats (CS		Robomango is now Robo 3T, with MangoDB 3.4 support Wed, 14 Jun 2017 Robomango 1.0 — Official Release Thu, 20 Apr 2017 Robomango has been acquired by 3T Tue, 14 Mar 2017 Changing the name of Robomango Man, 13 Feb 2017 Robomango 1.0 RCL brings support to Replica Set Clusters Thu, 02 Feb 2017	tvoyagers.in
itvo		Break down aggregation queries into stag     Generate driver code in five languages     Compare collections and view differences     Explore data schema and find outliers     Download Studio <u>3T</u>	Jes	Robomorgo 0.9.0 Final Thu, 60 ct 2016 Robomorgo RC10 brings support to SSL Fri, 19 Aug 2016 Robomorgo RC9 Wed, 01 Jun 2016 All Blog Posts	tvoyagers.in
	Logs				

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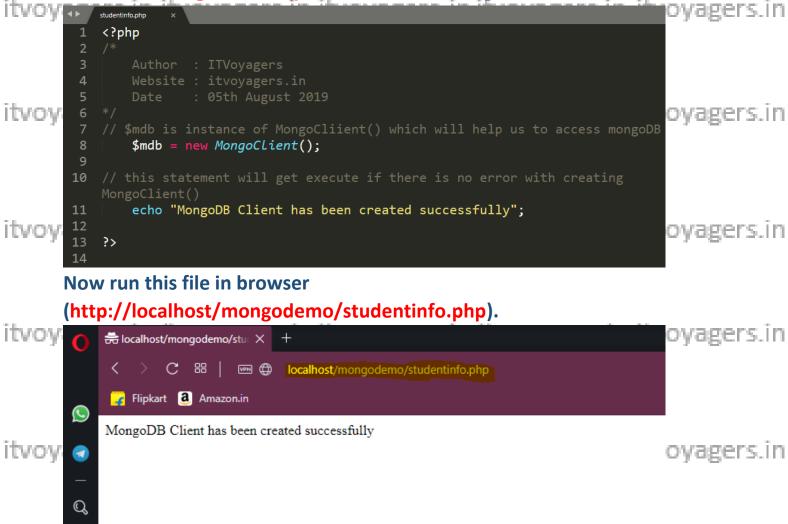
### itv Gegnection yagers.in itvoyagers.in itvoyagers.in itvoyagers.in

Now open text editor (we are using Sublime Text) and create new php file named "studentinfo.php" in "C:\xampp\htdocs\mongodemo\".

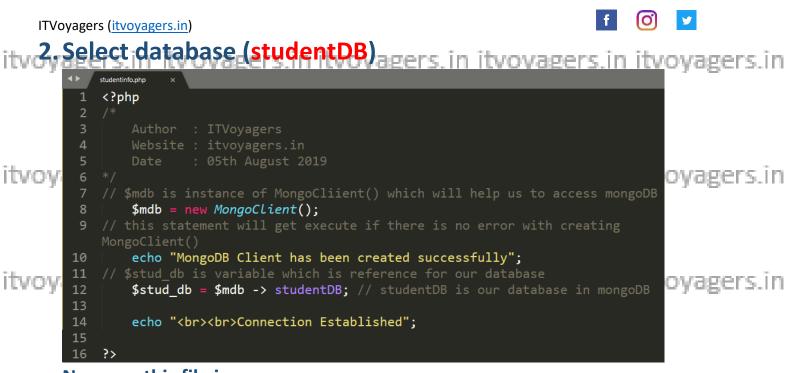


Following are the step-by-step process for CURD operation.

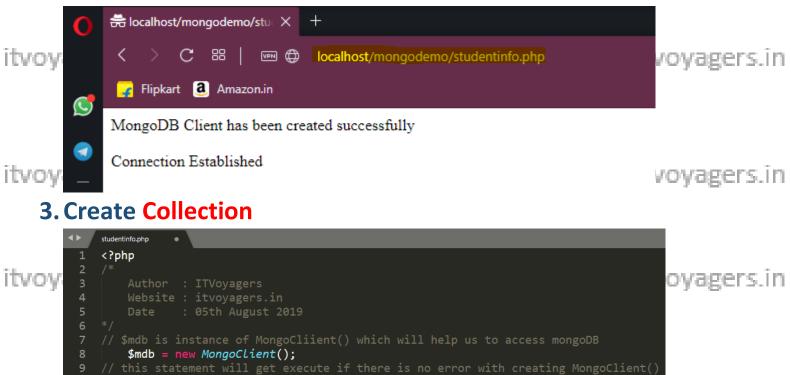
### 1. Create MongoClient() connect to mongoDB



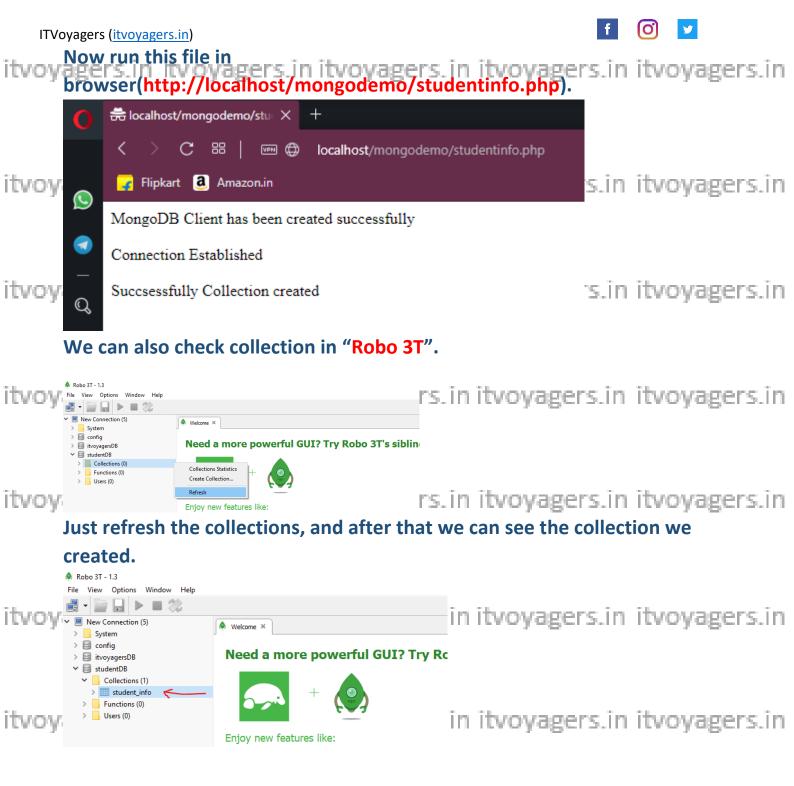
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9 // this statement will get execute if there is no error with creating MongoClient() 10 echo "MongoDB Client has been created successfully"; 11 // \$stud\_db is variable which is reference for our database 12 \$stud\_db = \$mdb -> studentDB; // studentDB is our database in mongoDB 13 echo "<br><br/>14 // \$stud\_collection is reference and "student\_info" is collection name 15 // createCollection() is method to create collection 16 \$stud\_collection = \$stud\_db -> createCollection("student\_info"); 17 echo "<br/>br><br/>UV09 18



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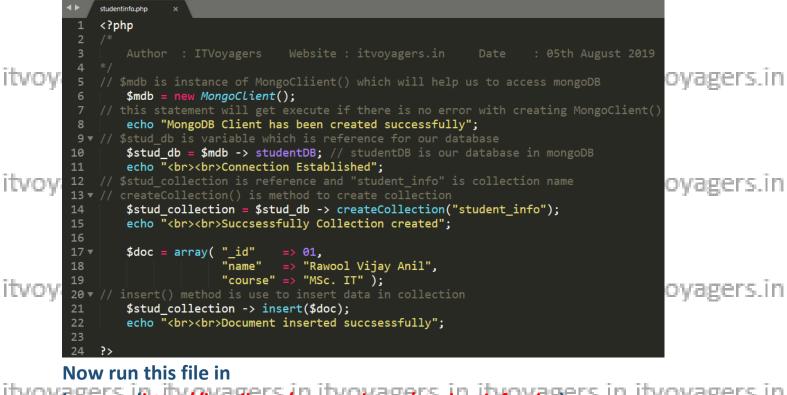
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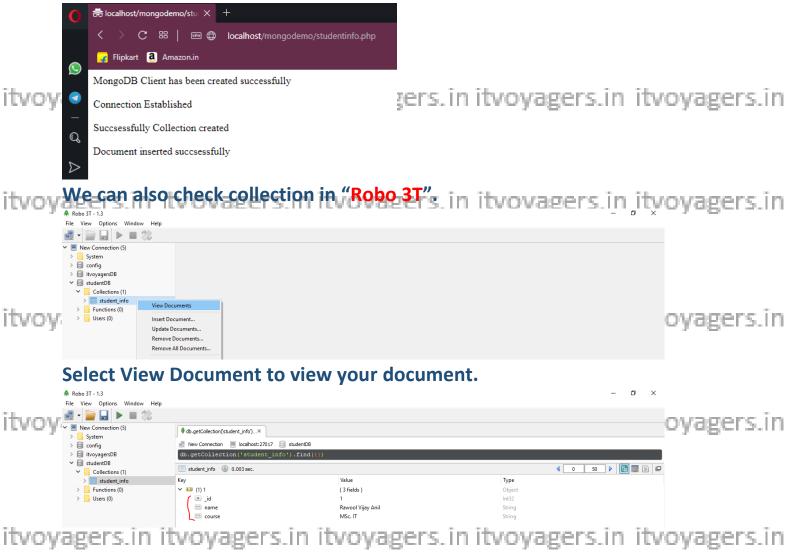


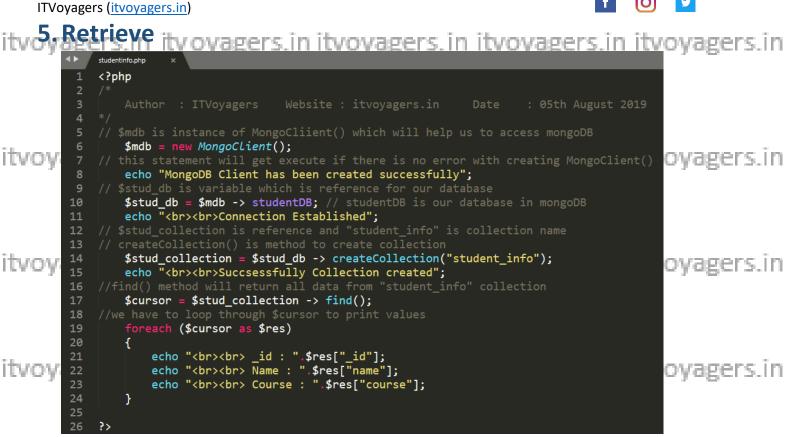
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tvoyagers.in itvoyagers.in itvoyagers.in itvoyagers.in itvoyagers.in itvoyagers.in Note: In PHP array() represents "{ }" from mongoDB.



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#### Now run this file in

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6. Update

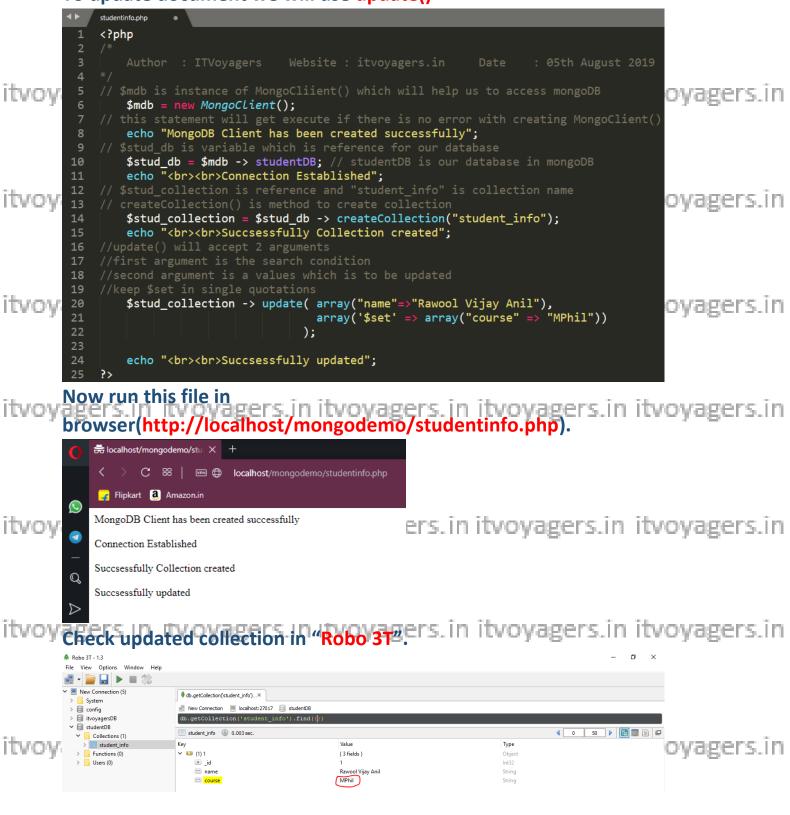
Let's update course from "MSc. IT" to "MPhil" in our collection.

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#### itvoyagers.in itvoyagers.in itvoyagers.in itvoyagers.in itvoyagers.in **7. Delete**

#### Let's delete this document from the collection.

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		iiii course	MPhil	String					

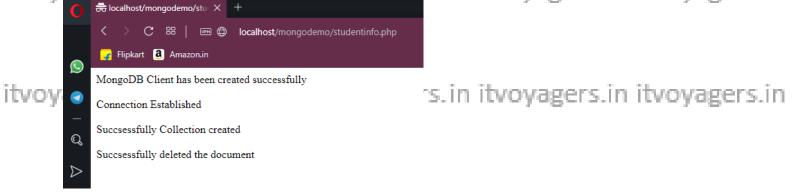
## itvoyagers.in itvoyagers.in itvoyagers.in itvoyagers.in itvoyagers.in We will use remove() for deleting document from collection.

	vvc	will use remove() for deleting document nom concetion.	
	<b>4</b> ►	studentinfo.php	
	1	php</th <th></th>	
	2		
itumu	3	Author : ITVoyagers Website : itvoyagers.in Date : 05th August 2019	avagers in
itvoy	4	*/	oyagers.in
	5	<pre>// \$mdb is instance of MongoCliient() which will help us to access mongoDB</pre>	
	6	<pre>\$mdb = new MongoClient();</pre>	
	7	<pre>// this statement will get execute if there is no error with creating MongoClient()</pre>	
	8	echo "MongoDB Client has been created successfully";	
	9	<pre>// \$stud_db is variable which is reference for our database</pre>	
	10	<pre>\$stud_db = \$mdb -&gt; studentDB; // studentDB is our database in mongoDB</pre>	
Itvov	11	<pre>echo " Connection Established";</pre>	oyagers.in
	12	<pre>// \$stud_collection is reference and "student_info" is collection name</pre>	- , - 8
	13	<pre>// createCollection() is method to create collection</pre>	
	14	<pre>\$stud_collection = \$stud_db -&gt; createCollection("student_info");</pre>	
	15	<pre>echo " Succsessfully Collection created";</pre>	
	16		
	17	//remove() will have 2 arguments	
	18	//first argument is the condition	
itumu	19	//second boolean value which state allow you to delete only one document we will	oyagers.in
LCA CO.A.	20	//set it to false	oyugers.m
	21	<pre>\$stud_collection -&gt; remove( array("name"=&gt;"Rawool Vijay Anil"),</pre>	
	22	array("justOne" => false));	
	23		
	24	<pre>echo " Succsessfully deleted the document";</pre>	
	25	?>	

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## Now run this file in browser(http://localhost/mongodemo/studentinfo.php).

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Yes our document has been deleted.

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