

MiniProject

Cyber Forensics and Law

Aim: Create a Java program for creating backup file of Mysql database.

Source Code:

```
public class Backup
{
    public void backupDB(String path)
    {
        String executeCmd="C:/xampp/mysql/bin/mysqldump.exe -u root -B student
r"+path;
        System.out.println(executeCmd);
        Process runtimeProcess;
        try
        {
            runtimeProcess = Runtime.getRuntime().exec(new
            String[]{"cmd.exe", "/c", executeCmd});
            int processComplete = runtimeProcess.waitFor();
            System.out.println(processComplete);
            if(processComplete==0)
            {
                System.out.println("Backup Created Successfully!");
            }
            else
            {
                System.out.println("Couldn't Create the backup!");
            }
        }
    }
}
```

```

    }

    catch(Exception ex)

    {

        ex.printStackTrace();

    }

}

public static void main(String args[])

{

    new Backup().backupDB("E:/MScPractical/Sem3/CFL/MiniProject/db1.sql");

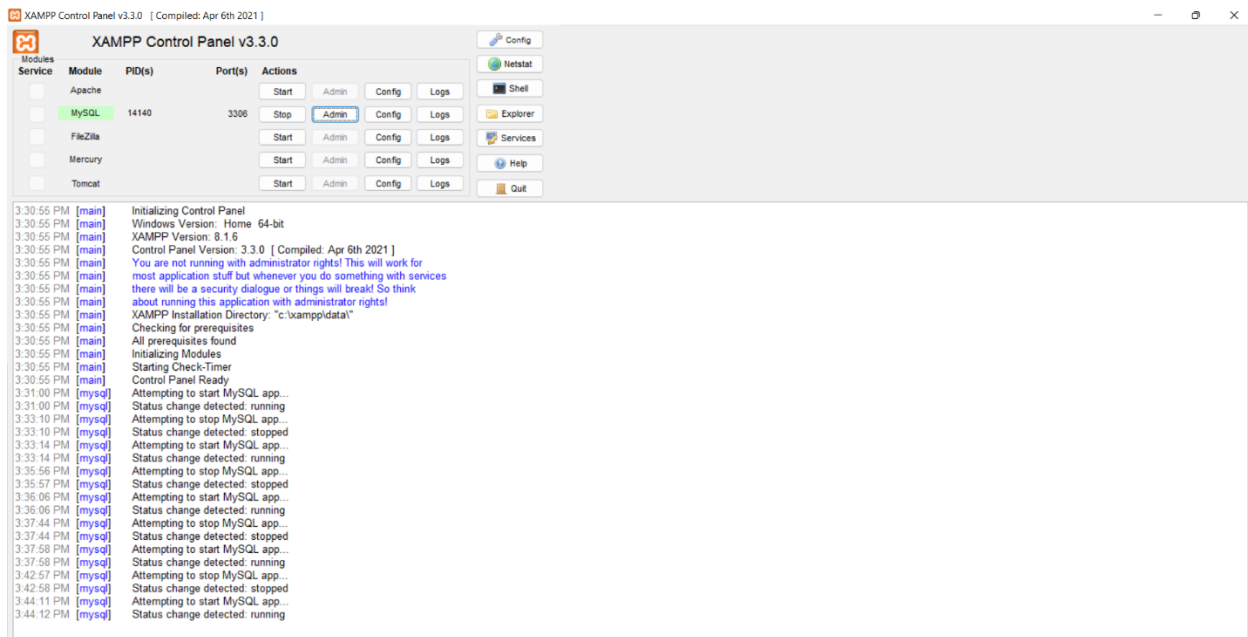
}

}

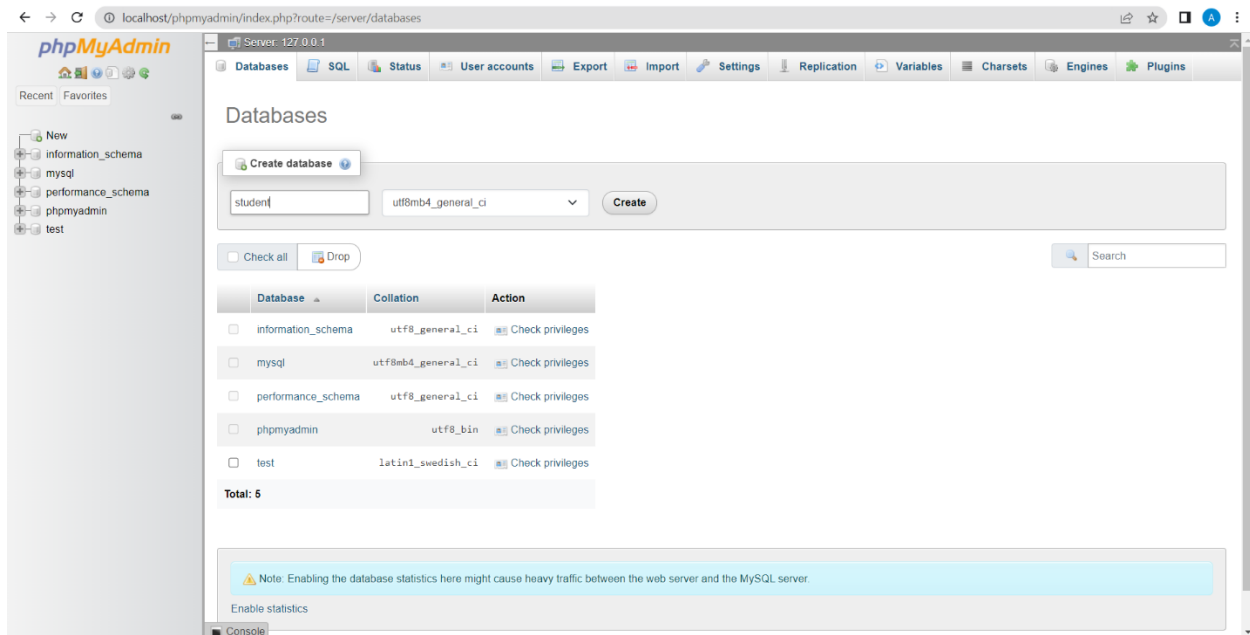
```

Steps:

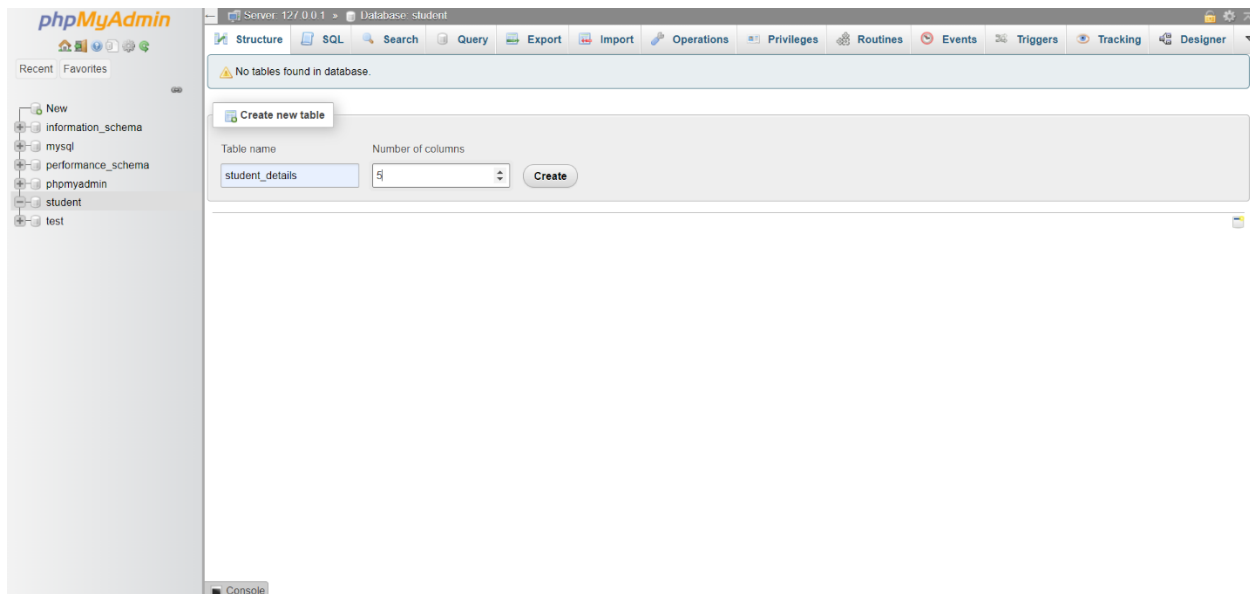
1. Download Xampp Server and Start Apache server and mysql Server.



2. Create a new Database



3. Create new Table



4. Insert Columns in the table

Table name: Add column(s)

Structure

Name	Type	Length/Values	Default	Collation	Attributes	Null	Index	Comment
<input type="text" value="Id"/>	INT	100	None			<input type="checkbox"/>	---	<input type="checkbox"/>
<small>Pick from Central Columns</small>								
<input type="text" value="Name"/>	VARCHAR	200	None			<input type="checkbox"/>	---	<input type="checkbox"/>
<small>Pick from Central Columns</small>								
<input type="text" value="Address"/>	VARCHAR	200	None			<input type="checkbox"/>	---	<input type="checkbox"/>
<small>Pick from Central Columns</small>								
<input type="text" value="Date"/>	DATE	200	None			<input type="checkbox"/>	---	<input type="checkbox"/>
<small>Pick from Central Columns</small>								
<input type="text" value="Contact_no"/>	VARCHAR	200	None			<input type="checkbox"/>	---	<input type="checkbox"/>
<small>Pick from Central Columns</small>								

Table comments:
Collation:
Storage Engine:

5. Insert Data in the table

Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 4 (5 total, Query took 0.0003 seconds)

```
SELECT * FROM `student_details`
```

☐ Profiling

☐ Show all | Number of rows: 25 | Filter rows:

Extra options

Id	Name	Address	Date	Contact_no
1	Ashwini Karanjule	Ambarnath	2022-09-28	8475476246
2	medini wakankar	kalva	2022-09-29	9354355456
3	mansi Karanjule	Ambarnath	2022-09-30	8435450611
4	mitesh Konkar	kanjur marg	2022-09-30	9456465767
5	Anurag Rai	Bhiwandi	2022-09-28	8453627431

☐ Show all | Number of rows: 25 | Filter rows:

Query results operations

☐ Let every user access this bookmark

Output:

```
Problems Javadoc Declaration Console x
<terminated> Backup [Java Application] C:\Program Files\Java\jdk-18.0.2.1\bin\javaw.exe (Sep 29, 2022, 5:15:44 PM - 5:15:44 PM) [pid: 7108]
C:\xampp\mysql\bin\mysqldump.exe -u root -B student -r C:/CFL/db1.sql
0
Backup Created Successfully!
```

(The Backup Database)

```
MySQL Workbench
unconnected x
File Edit View Query Database Server Tools Scripting Help
Limit to 1000 rows
35 'Name' varchar(200) NOT NULL,
36 'Address' varchar(200) NOT NULL,
37 'Date' date NOT NULL,
38 'Contact_no' varchar(200) NOT NULL
39 } ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
40 /*!40101 SET character_set_client = @saved_cs_client */;
41
42 --
43 -- Dumping data for table `student_details`
44 --
45
46 LOCK TABLES `student_details` WRITE;
47 /*!40000 ALTER TABLE `student_details` DISABLE KEYS */;
48 INSERT INTO `student_details` VALUES (1,'Ashwini Karanjule','Ambernath','2022-09-28','8475476246'),(2,'medini wakankar','kalva','2022-09-29','9354355456'),(3,'mansI Karanju
49 /*!40000 ALTER TABLE `student_details` ENABLE KEYS */;
50 UNLOCK TABLES;
51 /*!40103 SET TIME_ZONE=@OLD_TIME_ZONE */;
52
53 /*!40101 SET SQL_MODE=@OLD_SQL_MODE */;
54 /*!40014 SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS */;
55 /*!40014 SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS */;
56 /*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
57 /*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
58 /*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;
59 /*!40111 SET SQL_NOTES=@OLD_SQL_NOTES */;
60
61 -- Dump completed on 2022-09-29 17:15:44
62
```

SQLAdditions
Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Context Help Snippets