**Practical no: 8**

**Database creation:**

package javaprojects;

import java.sql.\*;

public class mysql {

public static void main(String[] args) {

try {

Class.*forName*("com.mysql.cj.jdbc.Driver");

Connection con= DriverManager.*getConnection*("jdbc:mysql://localhost:3306/","root", "root");

Statement stm=con.createStatement();

String str="create database demo1";

stm.executeUpdate(str);

System.***out***.println("Database is created…!");

}

catch(Exception e) {

System.***out***.println(e);

}

}

}

**Output:**

Database is created…!

**Table creation:**

package javaprojects;

import java.sql.\*;

import java.util.\*;

public class mysql {

public static void main(String[] args) {

try {

Class.*forName*("com.mysql.cj.jdbc.Driver");

Connection con= DriverManager.*getConnection*("jdbc:mysql://localhost:3306/","root", "root");

Statement stm=con.createStatement();

String str="CREATE TABLE product (pid INT, pname VARCHAR(30), price FLOAT)";

stm.executeUpdate(str);

System.***out***.println("Table is Created…!");

}

catch(Exception e) {

System.***out***.println(e);

}

}

}

**Output:**

Table is Created…!

**Output:**

mysql> use demo1;

Database changed

mysql> desc product;

+-------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+-------+-------------+------+-----+---------+-------+

| pid | int | YES | | NULL | |

| pname | varchar(30) | YES | | NULL | |

| price | float | YES | | NULL | |

+-------+-------------+------+-----+---------+-------+

3 rows in set (0.501 sec)

**Data Insertion:**

package javaprojects;

import java.sql.\*;

import java.util.\*;

public class mysql {

public static void main(String[] args) {

try {

Class.*forName*("com.mysql.cj.jdbc.Driver");

Connection con= DriverManager.*getConnection*("jdbc:mysql://localhost:3306/ ","root", "root");

Statement stm=con.createStatement();

//String str="CREATE TABLE product (pid INT, pname VARCHAR(30), price float)";

Scanner obj=new Scanner(System.***in***);

int pid;

String pname;

float price;

System.***out***.println("Enter the value of pid");

pid=obj.nextInt();

System.***out***.println("Enter the value of pname");

pname=obj.next();

System.***out***.println("Enter the value of price");

price = obj.nextFloat();

String str="insert into product values("+pid+", '"+pname+"', "+price+")";

stm.executeUpdate(str);

System.***out***.println("Table is Created…!");

}

catch(Exception e) {

System.***out***.println(e);

}

}

}

**Output:**

Enter the value of pid

101

Enter the value of pname

Python

Enter the value of price

600

Table is Created…!

**Output:**

mysql> select \* from product;

+------+----------+-------+

| pid | pname | price |

+------+----------+-------+

| 101 | Python | 600 |

+------+----------+-------+

1 row in set (0.157 sec)

mysql> insert into product values(102,"Java","700");

Query OK, 1 row affected (0.211 sec)

mysql> insert into product values(103,"Operating System","800");

Query OK, 1 row affected (0.196 sec)

mysql> select \* from product;

+------+----------+-------+

| pid | pname | price |

+------+----------+-------+

| 101 | Python | 600 |

| 102 |Java | 700 |

| 103 | Operating System | 800 |

+------+----------+-------+

3 rows in set (0.012 sec)