



PARSHVANATH CHARITABLE TRUST'S

A.P. SHAH INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering
Data Science

Department of Computer Science and Engineering Data Science

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Class / Branch: SE Data Science

Subject: OOPJ Lab

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Experiment No. 15

Aim:- To write a Java program to demonstrate the JDBC-ODBC connectivity.

Program:

```
import java.sql.*;

class MysqlCon{

public static void main(String args[]){

try{

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

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

//here sonoo is database name, root is username and password

Statement stmt=con.createStatement();

ResultSet rs=stmt.executeQuery("select * from emp");

while(rs.next())

System.out.println(rs.getInt(1)+" "+rs.getString(2)+" "+rs.getString(3));
```



```
con.close(); }  
  
catch(Exception e){  
  
System.out.println(e);  
  
}  
  
}  
  
}
```

Output:-

```
MariaDB [testingdocs]> CREATE TABLE IF NOT EXISTS employee (  
-> emp_id INT(10) NOT NULL AUTO_INCREMENT,  
-> name VARCHAR(45) DEFAULT NULL,  
-> salary INT(10) DEFAULT NULL,  
-> dept VARCHAR(100) DEFAULT NULL,  
-> PRIMARY KEY (emp_id)  
-> ) ENGINE=InnoDB ;  
Query OK, 0 rows affected (0.91 sec)
```

← 1

```
MariaDB [testingdocs]> show tables ;
```

```
+-----+  
| Tables_in_testingdocs |  
+-----+  
| employee               |  
+-----+  
1 row in set (0.00 sec)
```

← 2

```
MariaDB [testingdocs]> desc employee ;
```

Field	Type	Null	Key	Default	Extra
emp_id	int(10)	NO	PRI	NULL	auto_increment
name	varchar(45)	YES		NULL	



```
C:\Windows\system32\cmd.exe - mysql -u root

+-----+-----+-----+-----+-----+
| name  | varchar(45) | YES  |      | NULL |
| salary | int(10)     | YES  |      | NULL |
| dept   | varchar(100) | YES  |      | NULL |
+-----+-----+-----+-----+
4 rows in set (0.02 sec)

MariaDB [testingdocs]> INSERT INTO employee VALUES(1,"Surendra Kumar",10000,"Quality Assurance");
Query OK, 1 row affected (0.06 sec)

MariaDB [testingdocs]> INSERT INTO employee VALUES(2,"Regan M",18000,"Product Development");
Query OK, 1 row affected (0.06 sec)

MariaDB [testingdocs]> select * from employee ;
+-----+-----+-----+-----+
| emp_id | name          | salary | dept                |
+-----+-----+-----+-----+
| 1      | Surendra Kumar | 10000  | Quality Assurance   |
| 2      | Regan M        | 18000  | Product Development |
+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```