❖ Assignment NO 8

Title:- Implement MYSQL/Oracle database connectivity with Java Implement Database navigation operations (add, delete, edit,) using ODBC/JDBC.

query: package
my:

```
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;  import
java.sql.SQLException;  import
java.sql.Statement;
 import java.util.Scanner;
/* running Simple Java SELECT program to connect to MysQL database
* running on localhost and and INSERT query *@author to retrieve
and add data.
*/
public class JavaToMysQL {
 //JDBC URL, username and password of MySQL server  private
static final String url = "jdbc:mysql://localhost:3306/test";  private
static final String user = "sspm";
 private static final String password = "sspm123*";

//JDBC variables for opening and managing connection
private static Connection con;
private static Statement stmt;
private static ResultSet rs;  private
static void update() {
Scanner sc = new Scanner(System.in);
 int newid,oldid; System.out.println("enter id to update recorde");
oldid sc.nextlnt();
System.out.println("enter id to update recorde");
newid = sc.nextlnt();
 String query= "update books set id="+newid+" where id="+oldid+"
Try{

//opening database connection to MysQL server
Con=DriverManager.gelConnection(url, user, password);

 //getting Statement object to execute query
stmt = con.createStatement();

 //executing SELECT query;
stmt.executeUpdate(query); catch
(SQLException sqlEx) {
sqlEx.printStackTrace():

}

private static void delete()
```

```
Scanner sC = new Scanner(System.in);
int idno;
 System.out.println("enter id to delete recorde");
idno = sc.nextlnt();
 String query = "delete from books where id="+idno;  try{
// opening database connection to MySQLserver  con =
DriverManager.getConnection(url, user, password);
 //getting Statement object to execute query
stmt = con.createStatement()

//executing SELECT query
stmt.executeUpdate(query);
catch (SQLException sqlEx)
{
sqlEx.printStackTrace():
}

 private static void entry()
{
Scanner sc = new Scanner(System.in);
 int num;

String name;
 System.out.println("enter id"):; num
sc.nextlnt();
 System.out.println("enter name");
 name=sc.next();
String query = "INSERT INTO test.books (id, name) In"+ "VALUES ("*num+". "+namet+"):";  try
//opening database connection to MySQL server  con=
DriverManager.getConnection(url, user, password);
// getting Statement object to execute query  stmt=
con.createStatement();

//executing SELECT query
stmt.executeUpdate(query);
 catch (SQLException sqlEx)
 {
 sqlEx.printStackTrace();
}
 private static void displa()
 String query = "select id,name from books"
Try{
//opening database connection to MySQL server  con=
DriverManager.getConnection(url, user, password);
 //getting Statement object to execute query
stmt = con.createStatement();
// executing SELECT query
rs= stmt.executeQuery(query);
 while (rs.next()) {  int
count = rs.getlnt(1);
```

```
// String name =rs.getCursorName();
System.out.println("Total number of books id in the table: " +count ); }
catch (SQLException sqIEx){
sqlEx.printStackTrace(); finally { l //close
connection stmt and resultset here
try { con.close(); } catch(SQLException se) {*can't do anything */}
try { stmt.close(); } catch(SQLException se) {/*can't do anything */}
try { rs.close(); } catch(SQLException se) {/*can't do anything */}
} }
public static void main(String args[]) {
int ch;  do{
Iint ch;
System.out.println("1.insert In 2.dispaly In 3.delete In 4.update");
System.out.println("enter your choice");
Scanner sc = new Scanner(System.in);
ch = sc.nextlnt();
switch(ch{  case
1: {
Entry();
break;
}
case 2:  {
Display();
break;  }
case 3:  {
delete();
break; }
case 4:  {
update();
} }
System.out.println("Do ch = you want to continue?(y/n)");
sc.next().trim().charAt(0);
}while(ch==y);
} }
```

OUTPUT

```
1.insert
2.dispaly
3.delete
4.update  enter
your choice
1  enter id
1 enter
name
siddhu
Do you want to continue?(y/n)
y  1.insert
2.dispaly
3.delete
4.update  enter
your choice
1
```

enter id
2
enter name
omkar
Do you want to continue?(y/n)
Y
1.insert
2.dispaly
3.delete
4.update enter
your choice
2
Total number of books id in the table :1
Total number of books id in the table:2
mysql> use test;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A
Database changed mysql> select* from books;

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

| id | name |

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

| 1|siddhu |

| 2 | omkar |

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

3 rows in set (0.00 sec)

Do you want to continue?(y/n)
Y
1.insert
2.dispaly
3.delete 4.update
enter your choice
4
enter id to update recorde
1
enter id to update recorde
3
Do you want to continue?(y/n)
Y
1.insert
2.dispaly
3.delete
4.update enter
your choice
2
Total number of books id in the table: 1
Total number of books id in the table: 3

mysql select" from books; +------+------------+

| id | name |

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

| 1 | siddhu|

| 3 | omkar |

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

Do you want to continue?(y/n)

Y

1.insert

2.dispaly

3.delete

4.update

enter your choice

3

enter id to delete recorde

3

Do you want to continue?(y/n)

Y

1.insert

2.dispaly

3.delete

4.update

enter your choice

2

Total number of books id in the table: 1

Do you want to continue?(y/n)

Database changed Mysql>select*from

books;

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

| id | name |

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

| 1 | siddhu|

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

3 rows in set (0.00 sec)