package jdbcConn;

import java.sql.DriverManager;

import java.sql.ResultSet;

import com.mysql.jdbc.Connection;

import com.mysql.jdbc.Statement;

import java.util.Scanner;

public class jdbcConn {

private static Connection connect = null;

private static Statement statement = null;

private static ResultSet resultSet=null;

public static void main(String[] args) throws Exception

{

try {

int bid;

String bname,newname;

int swi,ans;

Scanner si=new Scanner(System.in);

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

connect = (Connection)DriverManager.getConnection("jdbc:mysql://localhost/jdbcConn?"+"user=root");

statement = (Statement) connect.createStatement();

do

{

System.out.println("ENTER YOUR CHOICE");

System.out.println("\n1.INSERT\n2.DELETE\n3.UPDATE\n4.SEARCH");

swi=si.nextInt();

switch(swi)

{

case 1:

System.out.println("enter book id");

bid= si.nextInt();

System.out.println("enter name of book");

bname=si.next();

statement.executeUpdate("insert into book values("+bid+","+"'"+bname+"'"+")");

break;

case 2:

System.out.println("enter the bid to be deleted");

bid= si.nextInt();

statement.executeUpdate("delete from book where bid="+bid+" ");

break;

case 3:

System.out.println("enter the bid to be updated");

bid= si.nextInt();

System.out.println("enter new name of book");

newname=si.next();

statement.executeUpdate("update book set bname='"+newname+"' where bid="+bid+" ");

break;

case 4:

int bid1,bid2,FLAG=0;

String user;

System.out.println("enter the bid to be searched");

bid1= si.nextInt();

resultSet = statement.executeQuery("select \* from book");

while (resultSet.next()) {

user = resultSet.getString("bid");

bid2=Integer.parseInt(user);

if(bid1==bid2)

{

FLAG=1;

System.out.println("BOOK FOUND");

break;

}

else

{

FLAG=0;

}

}

if(FLAG==0)

{

System.out.println("BOOK NOT FOUND");

}

break;

}

System.out.println("DO YOU WANT TO CONTINUE");

ans=si.nextInt();

}while(ans==1);

resultSet = statement.executeQuery("select \* from book");

while (resultSet.next()) {

String user = resultSet.getString("bid");

System.out.println(user);

}

} catch (Exception e) {

System.out.println("error");

throw e;

}

}

}

**OUTPUT**

ENTER YOUR CHOICE

1.INSERT

2.DELETE

3.UPDATE

4.SEARCH

1

enter book id

1

enter name of book

dbms

DO YOU WANT TO CONTINUE

1

ENTER YOUR CHOICE

1.INSERT

2.DELETE

3.UPDATE

4.SEARCH

1

enter book id

2

enter name of book

cn

DO YOU WANT TO CONTINUE

1

ENTER YOUR CHOICE

1.INSERT

2.DELETE

3.UPDATE

4.SEARCH

1

enter book id

3

enter name of book

sepm

DO YOU WANT TO CONTINUE

1

ENTER YOUR CHOICE

1.INSERT

2.DELETE

3.UPDATE

4.SEARCH

1

enter book id

4

enter name of book

isee

DO YOU WANT TO CONTINUE

1

ENTER YOUR CHOICE

1.INSERT

2.DELETE

3.UPDATE

4.SEARCH

3

enter the bid to be updated

1

enter new name of book

database

DO YOU WANT TO CONTINUE

1

ENTER YOUR CHOICE

1.INSERT

2.DELETE

3.UPDATE

4.SEARCH

4

enter the bid to be searched

3

BOOK FOUND

DO YOU WANT TO CONTINUE

1

ENTER YOUR CHOICE

1.INSERT

2.DELETE

3.UPDATE

4.SEARCH

2

enter the bid to be deleted

4

DO YOU WANT TO CONTINUE

1

ENTER YOUR CHOICE

1.INSERT

2.DELETE

3.UPDATE

4.SEARCH

4

enter the bid to be searched

4

BOOK NOT FOUND

DO YOU WANT TO CONTINUE

2

1

2

3

[root@localhost svh]# systemctl start mysqld;

[root@localhost svh]# mysql;

Welcome to the MariaDB monitor. Commands end with ; or \g.

Your MariaDB connection id is 22

Server version: 10.2.17-MariaDB MariaDB Server

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> use jdbcConn

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

MariaDB [jdbcConn]> show tables;

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

| Tables\_in\_jdbcConn |

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

| emp |

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

1 row in set (0.00 sec)

MariaDB [jdbcConn]> create table book(bid int(10),bname char(20),primary key(bid));

Query OK, 0 rows affected (0.62 sec)

MariaDB [jdbcConn]> select \* from book;

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

| bid | bname |

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

| 1 | dbms |

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

1 row in set (0.02 sec)

MariaDB [jdbcConn]> select \* from book;

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

| bid | bname |

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

| 1 | dbms |

| 2 | cn |

| 3 | sepm |

| 4 | isee |

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

4 rows in set (0.00 sec)

MariaDB [jdbcConn]> select \* from book;

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

| bid | bname |

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

| 1 | database |

| 2 | cn |

| 3 | sepm |

| 4 | isee |

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

4 rows in set (0.00 sec)

MariaDB [jdbcConn]> select \* from book;

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

| bid | bname |

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

| 1 | database |

| 2 | cn |

| 3 | sepm |

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

3 rows in set (0.00 sec)

MariaDB [jdbcConn]>