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EMPLOYEE MANAGEMENT SYSTEM :

```java
package employee_management_system;
import java.sql.*;
import java.util.Scanner;

public class Employee {

    public static void main(String[] args)throws ClassNotFoundException {
    try {
    Scanner s=new Scanner(System.in); Class.forName("com.mysql.cj.jdbc.Driver");
    Connection c
=DriverManager.getConnection("jdbc:mysql://localhost:3306/divya","root","root");
    Statement st=c.createStatement();
    ResultSet r;
    while(true) {
    System.out.println("Enter 0 to exit ");
    System.out.println("Enter 1 to display employee details ");
    System.out.println("Enter 2 to insert a record ");
    System.out.println("Enter 3 to delete a record ");
    System.out.println("Enter 4 to update a record ");
    String s1=s.nextLine();
    if(s1.equals("0"))
            break;
    else if(s1.equals("1")) {
    System.out.println("Enter 1 to display all records , 2 to display particular record");
    String s0=s.nextLine();
    if(s0.equals("1")) {
            r=st.executeQuery("select * from employee ");
            while(r.next()) {
                    System.out.println("ID : "+r.getInt(1)+" "+"NAME : "+r.getString(2)+"
DESIGNATION : "+r.getString(3)+" SALARY : "+r.getInt(4)+" PHONE_NO : "+r.getString(5));
    }
    }
    else if(s0.equals("2")) {
    System.out.println("Enter employee id to display : ");
    String s9=s.nextLine();
    r=st.executeQuery("select * from employee where id="+s9);
    while(r.next()) {
    System.out.println("ID : "+r.getInt(1)+" "+"NAME : "+r.getString(2)+" DESIGNATION :
"+r.getString(3)+" SALARY : "+r.getInt(4)+" PHONE_NO : "+r.getString(5));
    }
    }
    else
            System.out.println("Enter valid input");
}
```

```java
    else if(s1.equals("2")) {
        System.out.println("Enter employee id : ");
        String s2=s.nextLine();
        System.out.println("Enter employee name : ");
        String s3=s.nextLine();
        System.out.println("Enter designation : ");
        String s4=s.nextLine();
        System.out.println("Enter salary : ");
            String s5=s.nextLine();
            System.out.println("Enter phone number : ");
            String s6=s.nextLine();
            st.executeUpdate("insert into employee
values("+s2+",'"+s3+"','"+s4+"','"+s5+"','"+s6+"')");
            System.out.println("Values inserted successfully !");
        }
        else if(s1.equals("3")) {
        System.out.println("Enter the employee id to delete : ");
        String s7=s.nextLine();
        st.executeUpdate("delete from employee where id="+s7);
        System.out.println("Record deleted successfully !");
        }
        else if(s1.equals("4")) {
        System.out.println("Enter employee id to update ");
        String s10=s.nextLine();
        System.out.println("Enter column to update(id,name,designation,salary,phone_no)");
        String s8=s.nextLine();
        String s9=null;
        if(s8.equals("id")) {
        System.out.println("Enter new id :");
        s9=s.nextLine();
        st.executeUpdate("update employee set id="+s9+"where id="+s10);
        }
        else if(s8.equals("name")) {
                System.out.println("Enter new name :");
                s9=s.nextLine();
                st.executeUpdate("update employee set name='"+s9+"' where id="+s10);
        }
        else if(s8.equals("designation")) {
                System.out.println("Enter new designation :");
                s9=s.nextLine();
                st.executeUpdate("update employee set designation='"+s9+"' where id="+s10);
        }
        else if(s8.equals("salary")) {
                System.out.println("Enter new salary :");
                s9=s.nextLine();
        st.executeUpdate("update employee set salary="+s9+"where id="+s10);
        }
        else if(s8.equals("phone_no")) {
                System.out.println("Enter new phone no :");
                s9=s.nextLine();
                st.executeUpdate("update employee set phone_no+='"+s9+"' where id="+s10);
```

```
        }
        else
                System.out.println("Enter valid input ");
        }
        else
                System.out.println("Enter valid input");
        }
        s.close();
        }catch(Exception e) {
                System.out.println(e);
        }
        }


        }
```

OUTPUT :

OUTPUTS

```
Enter 0 to exit
Enter 1 to display employee details
Enter 2 to insert a record
Enter 3 to delete a record
Enter 4 to update a record
1
Enter 1 to display all records , 2 to display particular record
1
ID : 1 NAME : Ragavi DESIGNATION : Sales SALARY : 75000 PHONE_NO : 9965434556
ID : 2 NAME : Narmadha DESIGNATION : Coordinator SALARY : 55000 PHONE_NO : 9872618267
ID : 3 NAME : Santhiya DESIGNATION : Controller SALARY : 50000 PHONE_NO : 9876533586
Enter 0 to exit
Enter 1 to display employee details
Enter 2 to insert a record
Enter 3 to delete a record
Enter 4 to update a record
1
Enter 1 to display all records , 2 to display particular record
2
Enter employee id to display :
1
ID : 1 NAME : Ragavi DESIGNATION : Sales SALARY : 75000 PHONE_NO : 9965434556
Enter 0 to exit
Enter 1 to display employee details
Enter 2 to insert a record
Enter 3 to delete a record
Enter 4 to update a record
```

Figure 1.OUTPUT OF DISPLAY

```
Enter 0 to exit
Enter 1 to display employee details
Enter 2 to insert a record
Enter 3 to delete a record
Enter 4 to update a record
2
Enter employee id :
4
Enter employee name :
Diviya Dharshini
Enter designation :
Administrator
Enter salary :
60000
Enter phone number :
9834577644
Values inserted successfully !
Enter 0 to exit
Enter 1 to display employee details
Enter 2 to insert a record
Enter 3 to delete a record
Enter 4 to update a record
1
Enter 1 to display all records , 2 to display particular record
1
ID : 1 NAME : Ragavi DESIGNATION : Sales SALARY : 75000 PHONE_NO : 9965434556
ID : 2 NAME : Narmadha DESIGNATION : Coordinator SALARY : 55000 PHONE_NO : 9872618267
ID : 3 NAME : Santhiya DESIGNATION : Controller SALARY : 50000 PHONE_NO : 9876533586
ID : 4 NAME : Diviya Dharshini DESIGNATION : Administrator SALARY : 60000 PHONE_NO : 9834577644
Enter 0 to exit
Enter 1 to display employee details
Enter 2 to insert a record
Enter 3 to delete a record
Enter 4 to update a record
```

Figure 2.OUTPUT OF INSERT

```
Enter 0 to exit
Enter 1 to display employee details
Enter 2 to insert a record
Enter 3 to delete a record
Enter 4 to update a record
3
Enter the employee id to delete :
4
Record deleted successfully !
Enter 0 to exit
Enter 1 to display employee details
Enter 2 to insert a record
Enter 3 to delete a record
Enter 4 to update a record
1
Enter 1 to display all records , 2 to display particular record
1
ID : 1 NAME : Ragavi DESIGNATION : Sales SALARY : 75000 PHONE_NO : 9965434556
ID : 2 NAME : Narmadha DESIGNATION : Coordinator SALARY : 55000 PHONE_NO : 9872618267
ID : 3 NAME : Santhiya DESIGNATION : Controller SALARY : 50000 PHONE_NO : 9876533586
Enter 0 to exit
Enter 1 to display employee details
Enter 2 to insert a record
Enter 3 to delete a record
Enter 4 to update a record
```

Figure3.OUTPUT OF DELETE

```
Enter 0 to exit
Enter 1 to display employee details
Enter 2 to insert a record
Enter 3 to delete a record
Enter 4 to update a record
4
Enter employee id to update
2
Enter column to update(id,name,designation,salary,phone_no)
salary
Enter new salary :
60000
Enter 0 to exit
Enter 1 to display employee details
Enter 2 to insert a record
Enter 3 to delete a record
Enter 4 to update a record
1
Enter 1 to display all records , 2 to display particular record
1
ID : 1 NAME : Ragavi DESIGNATION : Sales SALARY : 75000 PHONE_NO : 9965434556
ID : 2 NAME : Narmadha DESIGNATION : Coordinator SALARY : 60000 PHONE_NO : 9872618267
ID : 3 NAME : Santhiya DESIGNATION : Controller SALARY : 50000 PHONE_NO : 9876533586
Enter 0 to exit
Enter 1 to display employee details
Enter 2 to insert a record
Enter 3 to delete a record
Enter 4 to update a record
```

Figure 4.OUTPUT OF UPDATE