Attendance Management System

Environment used

1. Eclipse IDE

2. MySQL WorkBench

Employee.java

```java
package Management;
import java.util.*;
import java.sql.*;
import java.lang.*;
import java.util.Scanner;

public class Employee {

    public static void main(String[] args) {
    while(true) {
    Scanner sc = new Scanner(System.in);
    String dbUrl = "jdbc:mysql://localhost:3306/attendance";
    String username = "root";
    String password = "root";
    try {
    Connection myConn = DriverManager.getConnection(dbUrl,username,password);
    Statement stmt = myConn.createStatement();
    System.out.println("Connection established");
    //Once if table is created just comment it
    /*String table = "CREATE table employee(emp_id int, first_name
varchar(255),last_name varchar(255),Age int,primary key (emp_id))";
    stmt.executeUpdate(table);
    System.out.println("Table created successfully");
    */
    System.out.println("ATTENDANCE MANAGEMENT SYSTEM");
    System.out.println("1.Insert a record");
    System.out.println("2.Delete a record");
    System.out.println("3.To chech whether the employee is present or not");
    System.out.println("4.Exit");
    System.out.println("Enter the number to perform:");
    int num = sc.nextInt();
    switch(num){
    case 1:
        insert();
        break;
    case 2:
        delete();
        break;
    case 3:
        present();
        break;
    case 4:
        System.out.println("Exit from the loop");
        System.exit(0);
```

```java
            break;

        default:
            break;
        }
        }catch(Exception ex) {
            System.out.print(ex);
        }
    }
        }
        static void insert() {
            String dbUrl = "jdbc:mysql://localhost:3306/attendance";
            String username = "";//Your Username
            String password = "";//Your Password

            try {
            Connection myConn =
DriverManager.getConnection(dbUrl,username,password);
            Statement stmt = myConn.createStatement();
            Scanner sc = new Scanner(System.in);
            System.out.println("Enter employee id:");
            int id = sc.nextInt();
            System.out.println("Enter employee first name:");
            String firstname = sc.next();
            System.out.println("Enter employee last name:");
            String lastname = sc.next();
            System.out.println("Enter age of the employee");
            int age = sc.nextInt();

            String insert = "INSERT into employee
VALUES('"+id+"','"+firstname+"','"+lastname+"','"+age+"')";
            stmt.executeUpdate(insert);
            System.out.print("Inserted");

        }catch(Exception ex) {
            System.out.println(ex);
        }
    }
        static void delete() {
            String dbUrl = "jdbc:mysql://localhost:3306/attendance";
            String username = "root";
            String password = "root";

            try {
            Connection myConn =
DriverManager.getConnection(dbUrl,username,password);
            Statement stmt = myConn.createStatement();
            Scanner sc = new Scanner(System.in);
            System.out.println("Enter the employee id to delete:");
            int id = sc.nextInt();
            String  delete = "DELETE from employee where emp_id ='"+id+"'";
        stmt.execute(delete);
        System.out.println("Deleted Successfully");

        }catch(Exception ex) {
            System.out.println(ex);
        }
    }
```

```java
        static void present() {
                String dbUrl = "jdbc:mysql://localhost:3306/attendance";
                String username = "root";
                String password = "root";

                try {
                Connection myConn =
DriverManager.getConnection(dbUrl,username,password);
                Statement stmt = myConn.createStatement();
                Scanner sc = new Scanner(System.in);
                System.out.print("Enter the employee id to check presence or
absence");

                int id = sc.nextInt();

                String select = "SELECT * from employee where emp_id = '"+id+"'";
                ResultSet rs = stmt.executeQuery(select);

                if(rs.next()) {
                        System.out.println("Empoyee_id:"+rs.getInt("emp_id"));
                        System.out.println("First_name:"+rs.getString("first_name"));
                        System.out.println("Last_name:"+rs.getString("last_name"));
                        System.out.println("Age:"+rs.getInt("Age"));
                        System.out.println("Empoloee was Present");
                }
                else {
                        System.out.print("Absent");
                }
        }catch(Exception ex) {
                System.out.println(ex);
        }
}
}
```