```java
package Practiseproject;


import java.io.BufferedReader;
import java.io.BufferedWriter;
import java.io.File;
import java.io.FileReader;
import java.io.FileWriter;
import java.io.IOException;
import java.util.Scanner;
import java.util.StringTokenizer;

public class FileHandling {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        String choice, cont = "s";

        while( cont.equalsIgnoreCase("s") ) {
        System.out.println("\t ***********Employee Information System***********\n\n");

        System.out.println("1) Add New Employee Record ");
        System.out.println("2) View All Employee Record ");
        System.out.println("3) Delete Employee Record ");
        System.out.println("4) Search Record ");
        System.out.println("5) Update Record ");
        System.out.println("6) Exit   ");

        System.out.print("\n\n");

        while(true) {
        System.out.println("Enter your choice: ");
        choice = sc.nextLine();
```

```java
     if( choice.equals("1") ) {
     try {
AddRecord();
} catch (IOException e) {
e.printStackTrace();
}
     } else if( choice.equals("2") ) {
     try {
ViewAllRecord();
} catch (IOException e) {
e.printStackTrace();
}
     } else if( choice.equals("3") ) {

     try {
DeleteRecordByID();
} catch (IOException e) {
e.printStackTrace();
}
     } else if( choice.equals("4") ) {
     try {
SearchRecordbyID();
} catch (IOException e) {
e.printStackTrace();
}
     } else if( choice.equals("5") ) {
     try {
updateRecordbyID();
} catch (IOException e) { e.printStackTrace();
}
     }
```

```java
        ;
        else if (choice.equals("6")) {
            break;
        }


        System.out.println("Do you want to continue? Yes/No");
        cont = sc.nextLine();
        if(cont.equals("No") ) {
            break;
        }

    } }
}
    public static void AddRecord() throws IOException {
    BufferedWriter bw = new BufferedWriter( new
    FileWriter("records.txt",true) );
    Scanner sc = new Scanner(System.in);
    String ID, name, age, adr;
    System.out.print("Enter Employee ID: ");
    ID = sc.nextLine();
    System.out.print("Enter Employee Name: ");
    name = sc.nextLine();
    System.out.print("Enter Employee Age: ");
    age = sc.nextLine();
    System.out.print("Enter Employee Address: ");
    adr = sc.nextLine();

    bw.write(ID+","+name+","+age+","+adr);
    bw.flush();
    bw.newLine();
    bw.close();
    }
```

```java
,
public static void ViewAllRecord() throws IOException {
  BufferedReader br = new BufferedReader(new FileReader("records.txt") );

  String record;

  System.out.println("------------ ");
  System.out.println("| ID Name AgeAddress |");
  System.out.println("------------ ");

  while( ( record = br.readLine() ) != null ) {

  StringTokenizer st = new StringTokenizer(record,",");
  System.out.println("|    "+st.nextToken()+" "+st.nextToken()+" "+st.nextToken()+"   "+st
  }
  System.out.println("| |");
  System.out.println("-------------- ");
  br.close();

  }
public static void DeleteRecordByID() throws IOException {
  Scanner scInput = new Scanner(System.in);
  String ID, record;


  File tempDB = new File("records_temp.txt");
  File db = new File("records.txt");


  BufferedReader br = new BufferedReader( new FileReader( db ) );
  BufferedWriter bw = new BufferedWriter( new FileWriter( tempDB )
);
```

```java
System.out.println("\t Delete Employee Record\n");

System.out.println("Enter the Employee ID: ");
ID = scInput.nextLine();


while( ( record = br.readLine() ) != null ) {


if( record.contains(ID) )
continue;

bw.write(record);
bw.flush();
bw.newLine();
}

br.close();
bw.close();

db.delete();

tempDB.renameTo(db);
}
public static void SearchRecordbyID() throws IOException {
String ID, record;
Scanner scInput = new Scanner(System.in);

BufferedReader br = new BufferedReader( new
FileReader("records.txt") );

System.out.println("\t Search Employee Record\n");
```

```java
    System.out.println("Enter the Employee ID: ");
    ID = scInput.nextLine();

    System.out.println("----------------");
    System.out.println("| ID Name Age Address |");
    System.out.println("----------------");

    while( ( record = br.readLine() ) != null ) {

    StringTokenizer st = new StringTokenizer(record,",");
    if( record.contains(ID) ) {
    System.out.println("| "+st.nextToken()+" "+st.nextToken()+" "+st.nextToken()+" "+st.nextToken()+"|
    }



    }

    System.out.println("|------------|");
    System.out.println(" -----------   ");

    br.close();

    }
public static void updateRecordbyID() throws IOException {
    String newName, newAge, newAddr, record, ID,record2;

    File db = new File("records.txt");
    File tempDB = new File("records_temp.txt");

    BufferedReader br = new BufferedReader( new FileReader(db) );
    BufferedWriter bw = new BufferedWriter( new FileWriter(tempDB) );
```

```java
Scanner scInput = new Scanner(System.in);

System.out.println("\t\t Update Employee Record\n\n");
/**/
System.out.println("Enter the Employee ID: ");
ID = scInput.nextLine();
System.out.println("-------------");
System.out.println("|ID Name Age Address |");
System.out.println("-------------");

while( ( record = br.readLine() ) != null ) {

StringTokenizer st = new
StringTokenizer(record,",");
if( record.contains(ID) ) {
System.out.println("| "+st.nextToken()+" "+st.nextToken()+" "+st.nextToken()+" "+st.nextToken()+"|"
}

}
System.out.println("|-------------|");
System.out.println("---------------");

br.close();
/**/
System.out.println("Enter the new Name: ");
newName = scInput.nextLine();
System.out.println("Enter the new Age: ");
newAge = scInput.nextLine();
System.out.println("Enter the new Address: ");
newAddr = scInput.nextLine();

BufferedReader br2 = new BufferedReader( new FileReader(db) );
```

```java
while( (record2 = br2.readLine() ) != null ) {
if(record2.contains(ID)) {
bw.write(ID+","+newName+","+newAge+","+newAddr);
} else {

bw.write(record2);
}
bw.flush();
bw.newLine();
}

bw.close();
br2.close();
db.delete();
boolean success = tempDB.renameTo(db);
System.out.println(success);

}
```

```
            ***********Employee Information System***********


1) Add New Employee Record
2) View All Employee Record
3) Delete Employee Record
4) Search Record
5) Update Record
6) Exit



Enter your choice:
1
Enter Employee ID: 525
Enter Employee Name: khan
Enter Employee Age: 24
Enter Employee Address: hhno83
Do you want to continue? Yes/No
no
Enter your choice:
2
|-----------
| ID Name AgeAddress |
------------
|     5 Khan 23   hno 83   |
|     525 khan 24   hhno83   |
| |
---------------
Do you want to continue? Yes/No
```