```java
package Practice_Project;

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();
```

```java
        bw.close();

        }
        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.nextToken()+"  |");
            }
            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");
```

```java
BufferedReader br = new BufferedReader( new FileReader( db ) );

BufferedWriter bw = new BufferedWriter( new FileWriter( tempDB )

);



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;
```

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

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

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

```java
		}
	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) );

		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()+"|");
		}

		}
```

```java
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) );


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);
```

```
            }

}
```

Output:

```
        ***********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:
2
------------
| ID Name AgeAddress |
------------
| |
--------------
Do you want to continue? Yes/No
Yes
Enter your choice:
1
Enter Employee ID: 125
Enter Employee Name: Rana
Enter Employee Age: 45
Enter Employee Address: 43 add
Do you want to continue? Yes/No
Yes
Enter your choice:
2
------------
| ID Name AgeAddress |
------------
|   125 Rana 45  43 add  |
| |
--------------
Do you want to continue? Yes/No
```