EMPLOYEE RECORD FILE HANDLING:-

```java
package com.sl.Assignments.PracticeProject;

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 EmployeeRecordFileHandling {

	public static void main(String[] args) {
		Scanner strInput = new Scanner(System.in);
		String choice,cont = "y";

		while( cont.equalsIgnoreCase("y")) {
			System.out.println("\t\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 Specific Record ");
				System.out.println("5 ===> Update Specific Record ");

				System.out.print("\n\n");
				System.out.println("Enter your choice: ");
				choice = strInput.nextLine();
```

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if( choice.equals("1") ) {
    try {

        AddRecord();

    } catch (IOException e) {

        // TODO Auto-generated catch block

        e.printStackTrace();

    }
} else if( choice.equals("2") ) {
    try {

        ViewAllRecord();

    } catch (IOException e) {

        // TODO Auto-generated catch block

        e.printStackTrace();

    }
} else if( choice.equals("3") ) {
    try {

        DeleteRecordByID();

    } catch (IOException e) {

        // TODO Auto-generated catch block

        e.printStackTrace();

    }
}    else if( choice.equals("4") ) {
    try {

        SearchRecordbyID();

    } catch (IOException e) {

        // TODO Auto-generated catch block

        e.printStackTrace();

    }
}    else if( choice.equals("5") ) {
    try {
```

```java
                                        updateRecordbyID();
                                } catch (IOException e) {
                                        // TODO Auto-generated catch block
                                        e.printStackTrace();
                                }
                        }


                        System.out.println("Do you want to continue? Y/N");
                        cont = strInput.nextLine();


                }

        }


        public static void AddRecord() throws IOException {

                BufferedWriter bw = new BufferedWriter( new FileWriter("records.txt",true) );
                Scanner strInput = new Scanner(System.in);


                String ID, name, age, addr;


                System.out.print("Enter the Employee ID: ");
                ID = strInput.nextLine();
                System.out.print("Enter the Employee Name: ");
                name = strInput.nextLine();
                System.out.print("Enter the Employee Age: ");
                age = strInput.nextLine();
                System.out.print("Enter the Employee Address: ");
                addr = strInput.nextLine();


                bw.write(ID+","+name+","+age+","+addr);
```

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                bw.flush();

                bw.newLine();

                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                         Age
        Address               |");

        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();
```

```java
    }



public static void DeleteRecordByID() throws IOException {

                Scanner strInput =  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 ) );



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



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

                ID =  strInput.nextLine();



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



                        if( record.contains(ID) )

                                continue;



                        bw.write(record);
```

```java
                bw.flush();

                bw.newLine();


        }


        br.close();

        bw.close();


        db.delete();


        tempDB.renameTo(db);


    }



public static void SearchRecordbyID() throws IOException {

        String ID,record;

        Scanner strInput = new Scanner(System.in);


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


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



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

        ID = strInput.nextLine();


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

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

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

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

System.out.println("\t\t Update Employee Record\n\n");
/**/
        System.out.println("Enter the Employee ID: ");
        ID = strInput.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 = strInput.nextLine();
System.out.println("Enter the new Age: ");
```

```java
            newAge = strInput.nextLine();

            System.out.println("Enter the new Address: ");

            newAddr = strInput.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);



        }



}
```