**File Handling**

**Description**:- In a file handling, by adding the records of employee read, write and append the file by using file handling function.

**Steps:-**

Step1:-Inside a main function using while loop give the following choice

Employee Information System

1 ===> Add New Employee Record

2 ===> View All Employee Record

3 ===> Delete Employee Record

4 ===> Search Specific Record

5 ===> Update Specific Record

Enter your choice:

Step2:- By using if-else condition give the above access to user as per user choice

Step3:- Executing the choice ask the user they want to continue or not.

Step4:- AddRecord() **throws** IOException

add the information of employee

Step4:- ViewAllRecord() **throws** IOException

View all the records.

Step5:- DeleteRecordByID() **throws** IOException

Delete the record

Step6:- SearchRecordbyID() **throws** IOException

Search the record

Step7:- updateRecordbyID() **throws** IOException

Search the record

**Sprint Planning:-**

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| --- | --- |
| Analysis | Day 1 |
| Design | Day 2 |
| Implementation | Day 3 |
| Test | Day 4 |
| Report | Day 5 |

**Algorithm:-**

//import the following files

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 {

public static void main(String[] args) {

while() {

Employee Information System

1 ===> Add New Employee Record

2 ===> View All Employee Record

3 ===> Delete Employee Record

4 ===> Search Specific Record

5 ===> Update Specific Record

Enter your choice:

choice = strInput.nextLine();

if( ("1") ) {

try {

AddRecord();

}

}

} else if( ("2") ) {

try {

ViewAllRecord();

}

} else if( ("3") ) {

try {

DeleteRecord();

}

else if( ("4") ) {

try {

SearchRecordbyID();

}

} else if( ("5") ) {

try {

updateRecordbyID();

}

}

("Do you want to continue? Y/N");

}

}

public static void AddRecord() throws IOException {

BufferedWriter bw = new BufferedWriter( new FileWriter("records.txt",true) );

Enter the Employee ID:

Enter the Employee Name:

Enter the Employee Age:

Enter the Employee Address:

}

public static void ViewAllRecord() throws IOException {

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

(" ------------------------------------------------------------- ");

("| ID Name Age Address |");

(" ------------------------------------------------------------- ");

while( () {

}

("| |");

(" ------------------------------------------------------------- ");

}

public static void DeleteRecordByID() throws IOException {

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

BufferedWriter bw = new BufferedWriter( new FileWriter( tempDB ) );

Delete Employee Record

Enter the Employee ID:

While() {

if()

continue;

}

}

public static void SearchRecordbyID() throws IOException {

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

Search Employee Record

Enter the Employee ID:

" ------------------------------------------------------------- "

("| ID Name Age Address |");

" ------------------------------------------------------------- "

while() {

if() {

}

}

"| |

" ----------------------------------------------------"

}

public static void updateRecordbyID() throws IOException

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

BufferedWriter bw = new BufferedWriter( new FileWriter(tempDB) );

Update Employee Record

/\*\*\*\*/

Enter the Employee ID:

(" ------------------------------------------------------------- ");

("| ID Name Age Address |");

(" ------------------------------------------------------------- ");

while() {

if() {

}

}

“| |"

" ------------------------------------------------------------- ");

Enter the new Name:

Enter the new Age:

Enter the new Address:

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

While() {

if() {

} else {

}

}

success

}

}