

7. Writing a program in Java to create, read, update, and delete operations on the files in Java.

```
package javaFsd2;

import java.io.File;
import java.io.FileReader;
import java.io.FileWriter;
import java.io.IOException;

public class filehandlingCrud{
    public static void main(String [] args) {
        File file=new File("C:\\Users\\JOTHIKA\\Desktop\\smiley\\file.txt");
// Create a new file
        try{
            boolean filecreation = file.createNewFile();
            if (filecreation) {
                System.out.println("The new file is created.");
            } else{
                System.out.println("The file already exists.");
            }

        } catch(Exception e){
            e.printStackTrace();
        }

//write a file
        try {
            file.createNewFile();
            FileWriter writer=new FileWriter(file);
            writer.write(" Hii!! Welcome\n");
            writer.write("Reading a file successfully");
            writer.flush();
            writer.close();
        }
```

```
//read from a file
    FileReader filereader=new FileReader(file);
    int op=filereader.read();
    while(op!=-1) {
        System.out.print((char)op);
        op=filereader.read();
    }
} catch (IOException e) {
    // TODO Auto-generated catch block
    e.printStackTrace();
}
System.out.println();
```

```
//update a file
    try {
        FileWriter writer = new FileWriter(file);
        writer.write("\nThis is a new line.");
        writer.close();
        System.out.println("Successfully updated the file.");
    } catch (IOException e) {
        System.out.println("An error occurred while updating the file.");
        e.printStackTrace();
    }
}
```

```
//delete a file
    file.delete();
    boolean present=file.exists();
    System.out.println("File deleted sucessfully: "+present); }}
```

Output

Console ×

```
<terminated> filehandlingCrud [Java Application] C:\Users\JOTHIKA\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.f  
The new file is created.  
  Hii!! Welcome  
Reading a file successfully  
Successfully updated the file.  
File deleted sucessfully:  true
```