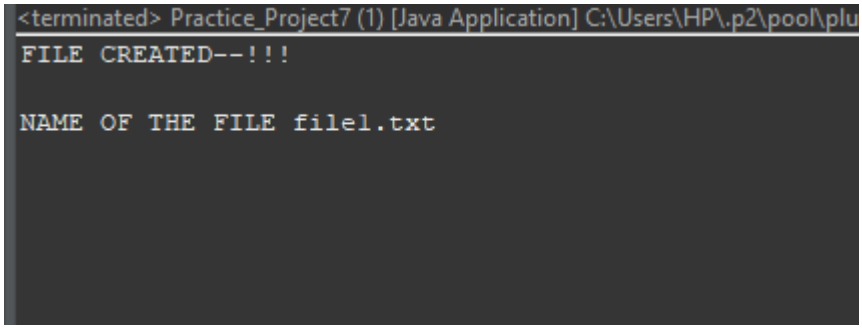
7. Writing a program in Java to create, read, update, and delete operations on the files in Java.

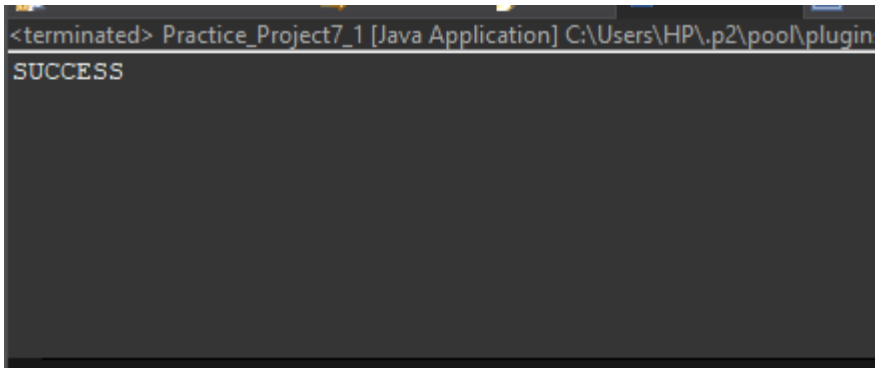
CREATE FILE

```
package assistedPracticeProject2;
import java.io.File;  // Import the File class
import java.io.IOException;  // Import the IOException class to handle errors

public class Practice_Project7
{
  public static void main(String[] args)
  {
    try
    {
      File file2 = new File("file1.txt");
      if (file2.createNewFile())
      {
            System.out.println("FILE CREATED--!!!");
        System.out.println("\nNAME OF THE FILE " + file2.getName());
      }
      else
      {
        System.out.println("Sorry ! File already exists.");
      }
    }
    catch (IOException e)
    {
      System.out.println("ERROR");
      e.printStackTrace();
    }
  }
}
```



WRITE INTO FILE

```
package assistedPracticeProject2;
import java.io.FileWriter;   // Import the FileWriter class
import java.io.IOException;  // Import the IOException class to handle errors

public class Practice_Project7_1
{
		public static void main(String[] args)
		{
			try
			{
				FileWriter myWriter = new FileWriter("file1.txt");
				myWriter.write("Hello Java Programming..!!");
				myWriter.close();
				System.out.println("SUCCESS");
			}
			catch (IOException e)
			{
				System.out.println("ERROR");
				e.printStackTrace();
			}
		}
}
```



READ FILE

```
package assistedPracticeProject2;

import java.io.File;  // Import the File class
import java.io.FileNotFoundException;  // Import this class to handle errors
import java.util.Scanner; // Import the Scanner class to read text files

public class Practice_Project7_2
{
  public static void main(String[] args)
  {
    try
    {
      File file1 = new File("file1.txt");
      Scanner myReader = new Scanner(file1); //read file
      while (myReader.hasNextLine()) //read line by line
      {
        String data = myReader.nextLine();
        System.out.println(data); //print data
      }
      myReader.close(); //close file
```

```
    }
    catch (FileNotFoundException e) {
      System.out.println("ERROR");
      e.printStackTrace();
    }
  }
}
```

```
<terminated> Practice_Project7_2 [Java Application] C:\Users\HP\.p2\pool\plu
Hello Java Programming..!!
```

UPDATE FILE

```
package assistedPracticeProject2;
import java.io.BufferedReader;
import java.io.File;
import java.io.FileReader;
import java.io.FileWriter;
import java.io.IOException;

public class Practice_Project7_3
{
    static void modifyFile(String filePath, String oldString, String newString)
    {
        File fileToBeModified = new File(filePath);
        String oldContent = "";
        BufferedReader reader = null;
        FileWriter writer = null;
```

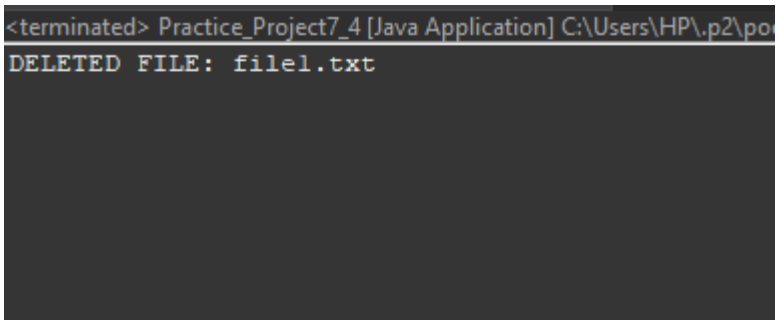
```
    try
    {
        reader = new BufferedReader(new FileReader(fileToBeModified));
        String line = reader.readLine();
        while (line != null)
        {
            oldContent = oldContent + line + System.lineSeparator();
            line = reader.readLine();
        }
        String newContent = oldContent.replaceAll(oldString, newString);
        writer = new FileWriter(fileToBeModified);
        writer.write(newContent);
    }
    catch (IOException e)
    {
        e.printStackTrace();
    }
    finally
    {
        try
        {
            reader.close();
            writer.close();
        }
        catch (IOException e)
        {
            e.printStackTrace();
        }
    }
}
public static void main(String[] args)
```

```
    {
        modifyFile("file1.txt", "Hello", "Welcome");
        System.out.println("done");
    }
}
```

```
<terminated> Practice_Project7_2 [Java Application] C:\Users\HP\.p2\pool\plu
Hello Java Programming..!!
```

DELETE FILE

```
package assistedPracticeProject2;

import java.io.File;  // Import the File class

public class Practice_Project7_4 {
  public static void main(String[] args) {
    File myObj = new File("file1.txt");
    if (myObj.delete())
    {
      System.out.println("DELETED FILE: " + myObj.getName());
    }
    else
    {
      System.out.println("Failed to delete the file.");
    }
  }
}
```


<terminated> Practice_Project7_4 [Java Application] C:\Users\HP\.p2\po
DELETED FILE: file1.txt