Assignment - 2 30 Paul Thomas S3 CSB

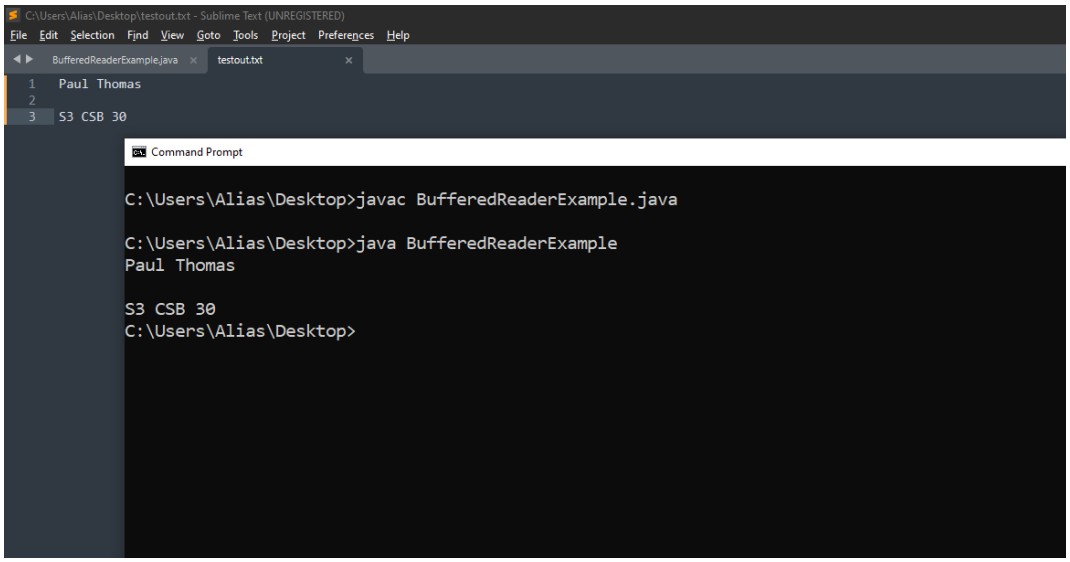
Write a java program to read characters from console using Buffered-Reader Class

Program

```
import java.io.*;
public class BufferedReaderExample {
   public static void main(String args[])throws Exception{
        FileReader fr=new FileReader("testout.txt");
        BufferedReader br=new BufferedReader(fr);

        int i;
        while((i=br.read())!=-1){
        System.out.print((char)i);
        }
        br.close();
        fr.close();
   }
}
```

OUTPUT

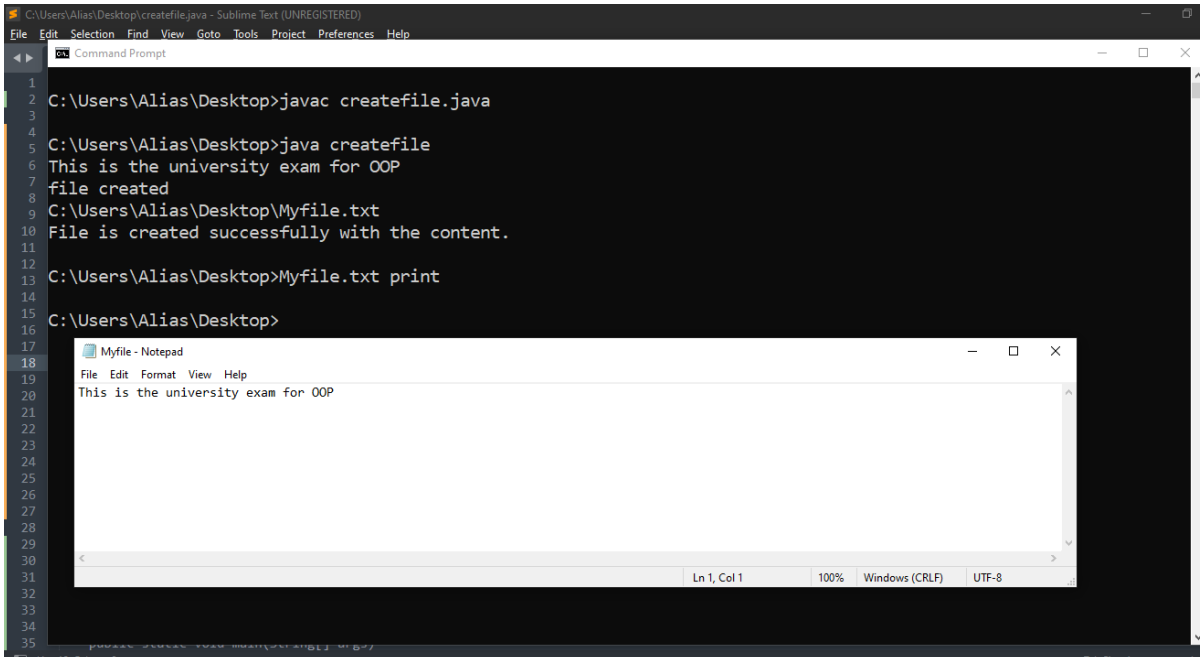


Write a Java Program to create a new file called "Myfile.txt" and write the statement "This is the university exam for OOP"

Program

```
import java.io.File;
import java.io.FileWriter;
import java.io.IOException;
public class createfile  {
public static void main(String[] args)  {
String text = "This is the university exam for OOP";
File file = new File("Myfile.txt");
boolean result;
try{
        result = file.createNewFile();
        FileWriter fWriter = new FileWriter("Myfile.txt");
        fWriter.write(text);
        System.out.println(text);
        fWriter.close();
        if(result){
                System.out.println("file created \n"+ file.getCanonicalPath());
                System.out.println("File is created successfully with the content.");
        }
        else{
                System.out.println("File already exist at location:
"+file.getCanonicalPath());
        }
}
catch (IOException e){
        e.printStackTrace();
        System.out.print(e.getMessage());
        }
  }
}
```

OUTPUT

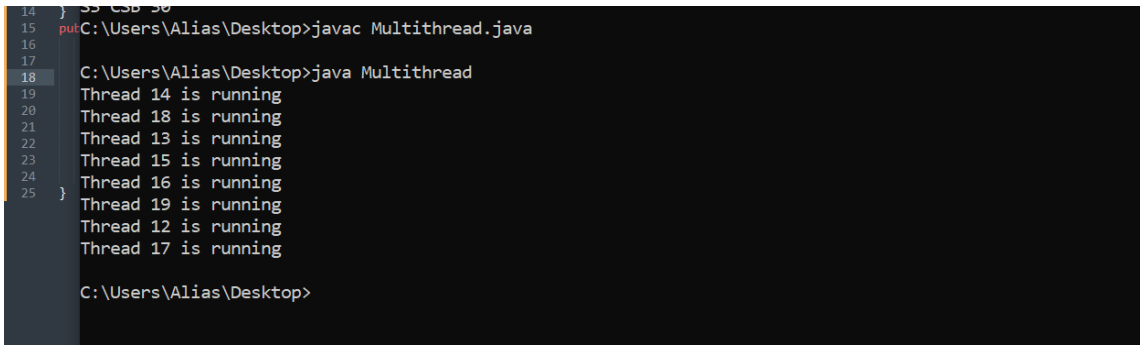

C:\Users\Alias\Desktop\createfile.java - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help
Command Prompt
C:\Users\Alias\Desktop>javac createfile.java
C:\Users\Alias\Desktop>java createfile
This is the university exam for OOP
file created
C:\Users\Alias\Desktop\Myfile.txt
File is created successfully with the content.
C:\Users\Alias\Desktop>Myfile.txt print
C:\Users\Alias\Desktop>
Myfile - Notepad
File Edit Format View Help
This is the university exam for OOP
Ln 1, Col 1
100%
Windows (CRLF)
UTF-8

Write a simple program by extending appropriate class to demonstrate the working of threads in Java

```
class MultithreadingDemo extends Thread {
    public void run()
    {
        try {
            System.out.println(
                "Thread " + Thread.currentThread().getId()
                + " is running");
        }
        catch (Exception e) {

            System.out.println("Exception is caught");
        }
    }
}
public class Multithread {
    public static void main(String[] args)
    {
        int n = 8;
        for (int i = 0; i < n; i++) {
            MultithreadingDemo object
                = new MultithreadingDemo();
            object.start();
        }
    }
}
class MultithreadingDemo extends Thread {
    public void run()
    {
        try {
            System.out.println(
                "Thread " + Thread.currentThread().getId()
                + " is running");
        }
        catch (Exception e) {
```

```
            System.out.println("Exception is caught");
        }
    }
}
public class Multithread {
    public static void main(String[] args)
    {
        int n = 8;
        for (int i = 0; i < n; i++) {
            MultithreadingDemo object
                = new MultithreadingDemo();
            object.start();
        }
    }
}
```



Write a Java program to demonstrate use of JLabel and JButton by adding them to a frame.

```
import javax.swing.*;
public class btnlabExample {
public static void main(String[] args) {
    JFrame f = new JFrame("Label and Button Example");
    JLabel l1,l2;
    l1=new JLabel("First Label.");
    l1.setBounds(50,50, 100,30);
    JButton b = new JButton("Click Here");
    b.setBounds(50,100,95,30);
    f.add(l1);
    f.add(b);
    f.setSize(400,400);
    f.setLayout(null);
    f.setVisible(true);
}
}
```