NAME: MINAL CHHATRE
ENROLL: 1906016
G3 (A)

Program 15
a) Develop programs for to read and write from/to a file using Byte Stream.
b) Develop programs for to read and write from/to a file using Character Stream.

Develop programs for to read and write from/to a file using Byte Stream.

CODE:

```java
import java.io.FileInputStream;
import java.io.FileOutputStream;
import java.io.IOException;
class FileOutputExample {
 public static void main(String args[])
 {
 try {
 FileOutputStream fout = new FileOutputStream("file.txt");
 String s = "This program is for write and read in file using Byte stream";
 byte b[] = s.getBytes();
 fout.write(b);
 fout.close();
 }
 catch (IOException e) {
 System.out.println(e);
 }
 try{
 FileInputStream fin=new FileInputStream("file.txt");
 int size = fin.available();
 int i=fin.read();
 System.out.print((char)i);
 for (int j=0; j < size; j++) {
 System.out.print((char) fin.read());
 }
```

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```
 fin.close();
 }
 catch(Exception e){
 System.out.println(e);
 }
 }
 }
```
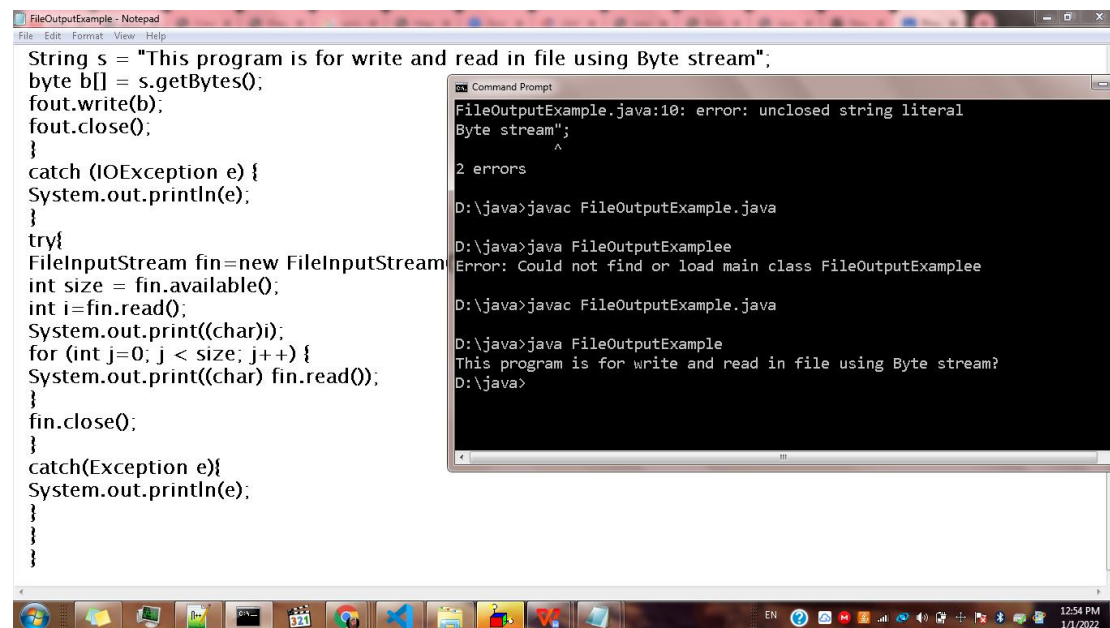
OUTPUT:

D:\java>javac FileOutputExample.java

D:\java>java FileOutputExample
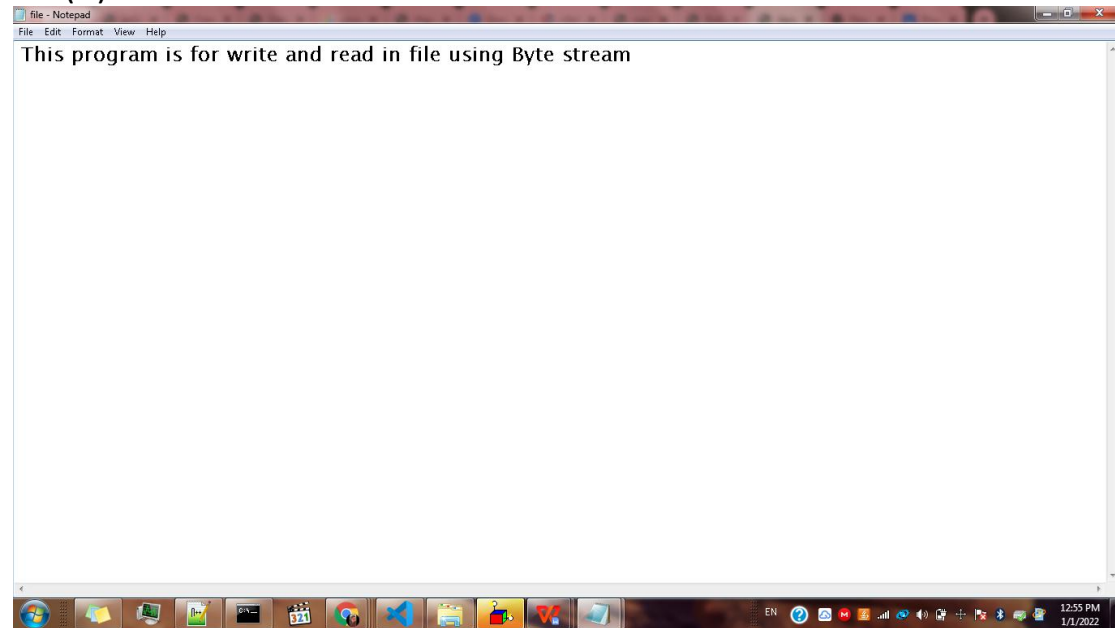This program is for write and read in file using Byte stream?
D:\java>

file - Notepad
File Edit Format View Help

This program is for write and read in file using Byte stream

Develop programs for to read and write from/to a file using Character Stream.

CODE:

```
import java.io.FileNotFoundException;
import java.io.FileWriter;
import java.io.FileReader;
import java.io.IOException;
class CharStreamsExample{

 public static void main(String[] args) throws IOException
 {
 int ch;
 //Write in file
 String str = "File Handling in Java using";

 FileWriter fw=new FileWriter("file2.txt");

 for (int i = 0; i < str.length(); i++)
 fw.write(str.charAt(i));
 System.out.println("Writing successful");
 fw.close();
```

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```
//Read file
FileReader fr=null;
try
{
fr = new FileReader("file2.txt");
}
catch (FileNotFoundException fe)
{
System.out.println("File not found");
}
// read from FileReader till the end of file
while ((ch=fr.read())!=-1)
System.out.print((char)ch);
fr.close();
}
}
```
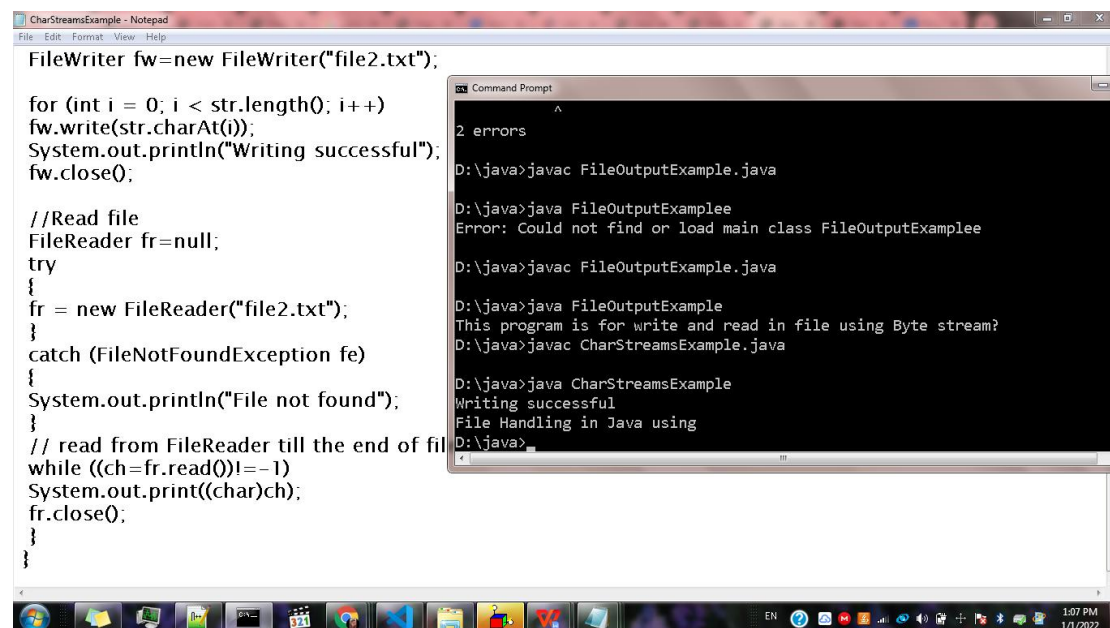
OUTPUT:

D:\java>javac CharStreamsExample.java

D:\java>java CharStreamsExample
Writing successful
File Handling in Java using
D:\java>

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