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DIGITAL ASSIGNMENT 6

STREAM

1. FILE OUTPUT STREAM :- Write String

```
import java.io.FileOutputStream;

public class FileOutputStreamExample {
    public FileOutputStreamExample() {
    }

    public static void main(String[] args) {
        try {
            FileOutputStream fout = new FileOutputStream("D://test.txt");
            String s = "Welcome to javaTpoint.";
            byte[] b = s.getBytes();
            fout.write(b);
            fout.close();
            System.out.println(".....SUCCESS.....");
        } catch (Exception var4) {
            System.out.println(var4);
        }
    }
}
```

SCREENSHOT :-

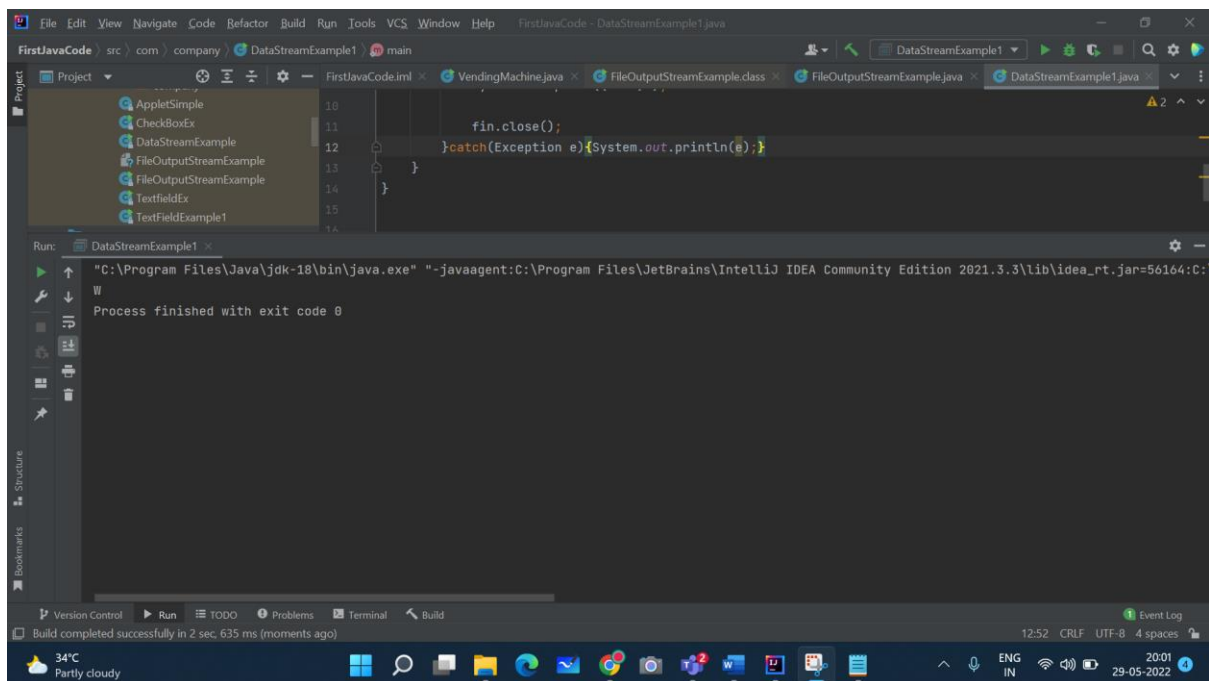
2. FILE INPUT STREAM :- Read Single Character

```
package com.company;

import java.io.FileInputStream;
public class DataStreamExample1 {
    public static void main(String args[]){
        try{
            FileInputStream fin=new FileInputStream("D:\\\\test.txt");
            int i=fin.read();
            System.out.print((char)i);

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

SCREENSHOT :-



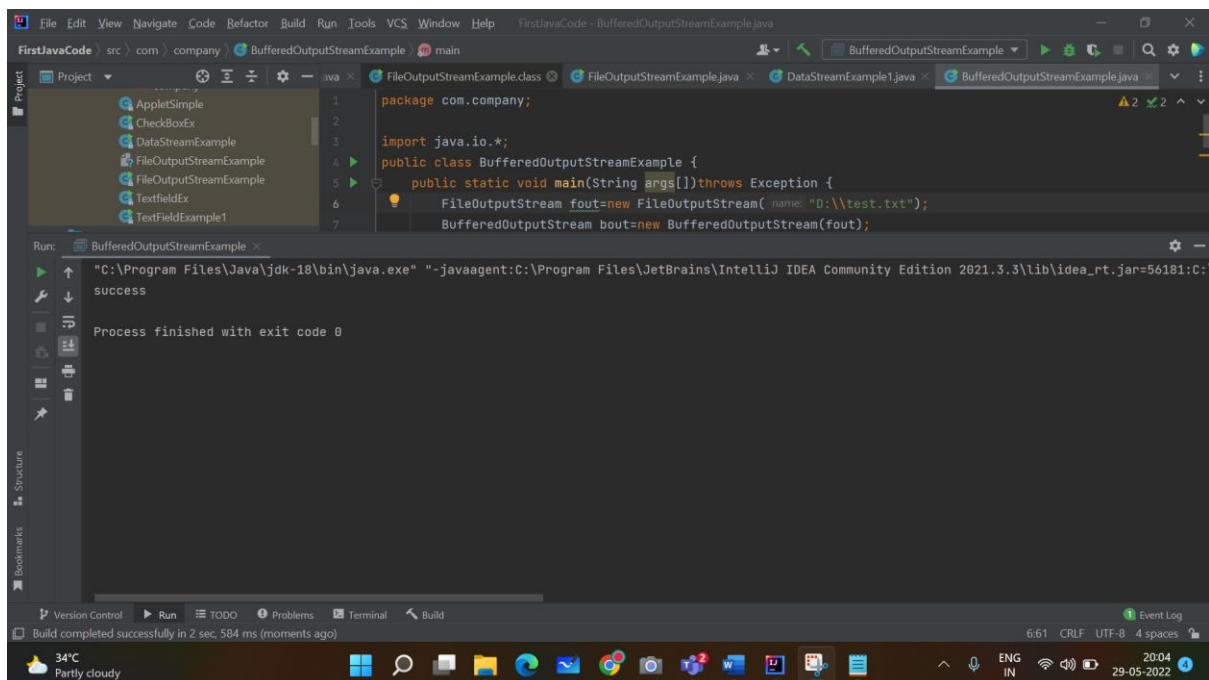
3. BUFFERED OUTPUT STREAM :-

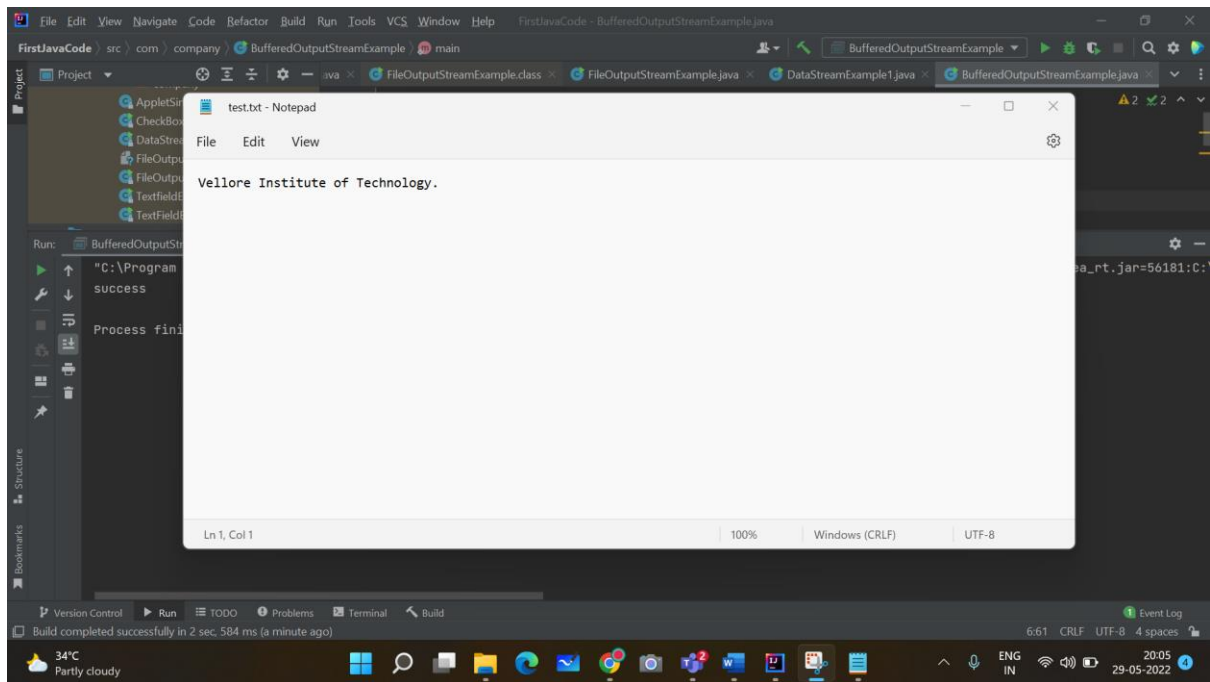
```
package com.company;
```

```
import java.io.*;
```

```
public class BufferedOutputStreamExample {  
    public static void main(String args[])throws Exception {  
        FileOutputStream fout=new FileOutputStream("D:\\\\test.txt");  
        BufferedOutputStream bout=new BufferedOutputStream(fout);  
        String s="Vellore Institute of Technology.";  
        byte b[]=s.getBytes();  
        bout.write(b);  
        bout.flush();  
        bout.close();  
        fout.close();  
        System.out.println("success");  
    }  
}
```

SCREENSHOT :-





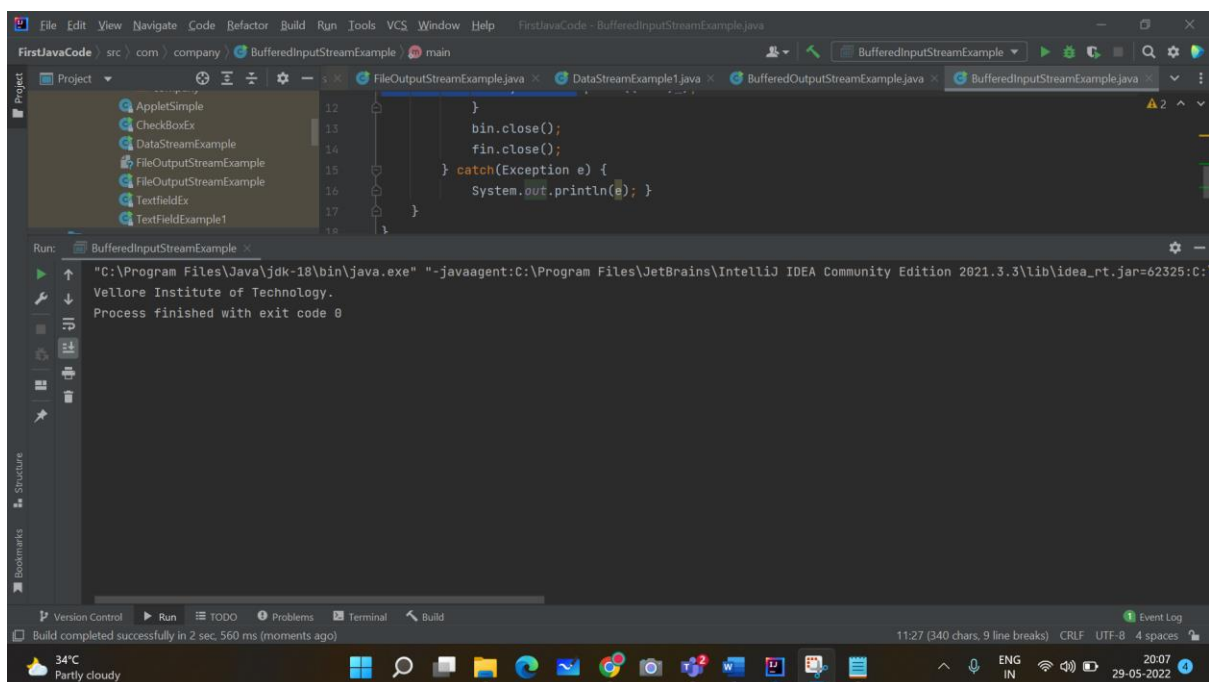
4. BUFFERED INPUT STREAM :-

```
package com.company;
```

```
import java.io.*;

public class ReadExample {
    public static void main(String[] args) throws IOException {
        byte[] buf = { 75,69,84,75,73 };
        // Create the new byte array input stream
        ByteArrayInputStream byt = new ByteArrayInputStream(buf);
        int k = 0;
        while ((k = byt.read()) != -1) {
            //Conversion of a byte into character
            char ch = (char) k;
            System.out.println("ASCII value of Character is:" + k + "; Special character is: " +
ch);
        }
    }
}
```

SCREENSHOT :-



5. BYTE ARRAY OUTPUT STREAM :-

```
package com.company;
```

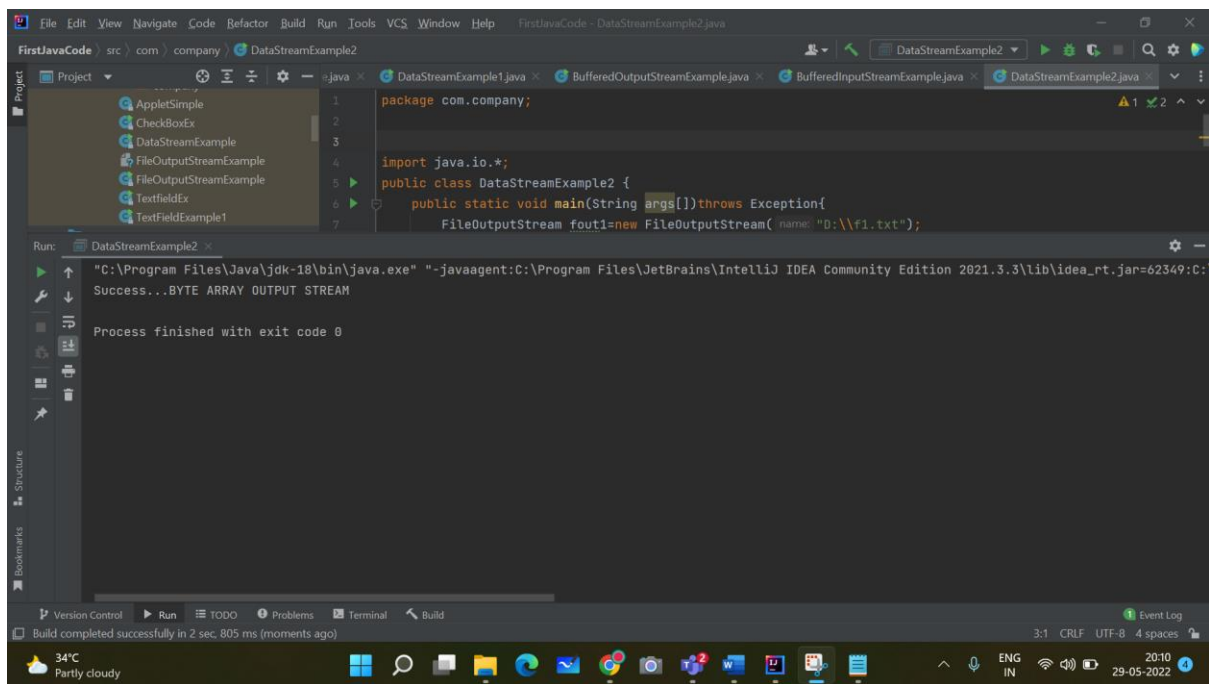
```
import java.io.*;

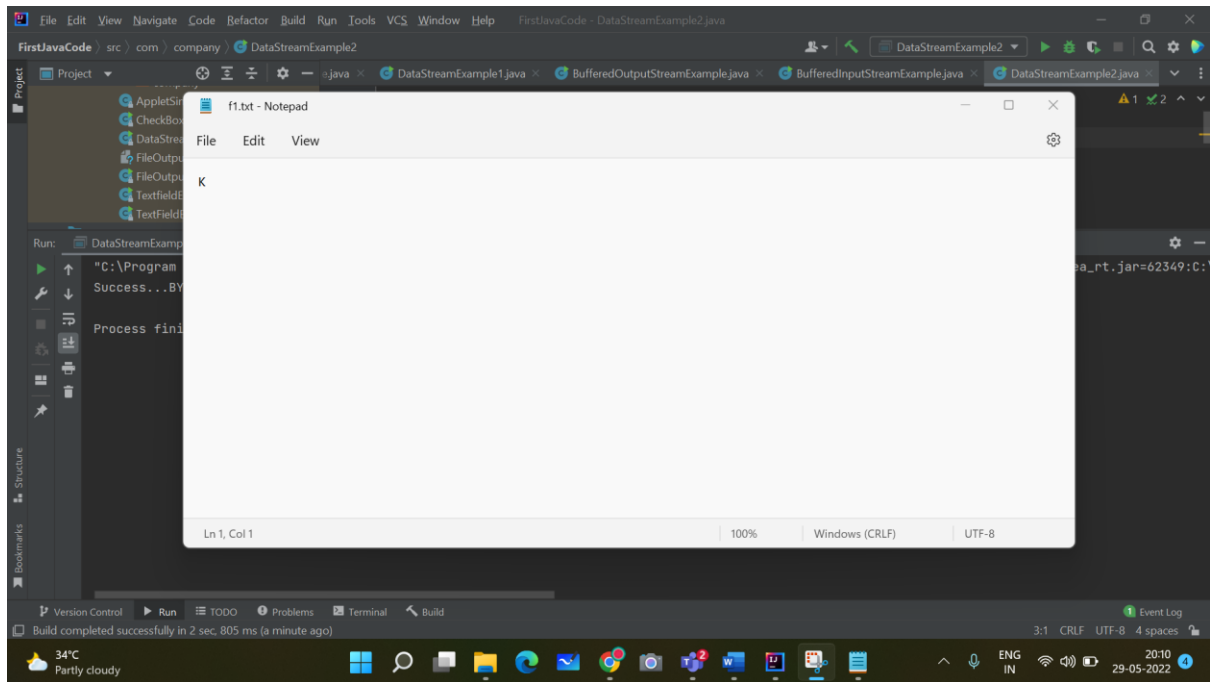
public class DataStreamExample2 {
    public static void main(String args[]) throws Exception {
        FileOutputStream fout1 = new FileOutputStream("D:\\f1.txt");
        FileOutputStream fout2 = new FileOutputStream("D:\\f2.txt");

        ByteArrayOutputStream bout = new ByteArrayOutputStream();
        bout.write(75);
        bout.writeTo(fout1);
        bout.writeTo(fout2);

        bout.flush();
        bout.close(); // has no effect
        System.out.println("Success...BYTE ARRAY OUTPUT STREAM");
    }
}
```

SCREENSHOT :-





6. BYTE ARRAY INPUT STREAM :-

```
package com.company;
```

```
import java.io.*;

public class ReadExample {
    public static void main(String[] args) throws IOException {
        byte[] buf = { 75,69,84,75,73 };
        // Create the new byte array input stream
        ByteArrayInputStream byt = new ByteArrayInputStream(buf);
        int k = 0;
        while ((k = byt.read()) != -1) {
            //Conversion of a byte into character
            char ch = (char) k;
            System.out.println("ASCII value of Character is:" + k + "; Special character is: " +
ch);
        }
    }
}
```

SCREENSHOT :-

