



KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY (KIIT)

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School of Computer Engineering

WT LAB - 11

Submitted By :

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Section: IT-04

Branch : Information Technology

Q-1 & 2. Wap in java to copy the content of a given file to another file using

i. CHARACTER STREAM

ii. BYTE STREAM.

CODE:

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

public class l11q1 {
    public static void main(String arg[]) throws Exception {
        Scanner sc = new Scanner(System.in);
        FileReader fin = new FileReader("f1.txt");
        FileWriter fout = new FileWriter("f2.txt", true);

        int c;
        while ((c = fin.read()) != -1) {
            fout.write(c);
        }

        System.out.println("Copy finish...");
        fin.close();
        fout.close();
        sc.close();
    }
}
```

OUTPUT:

```
C:\Users\Lenovo>java l11q1
Copy finish...
```

ii)

```
import java.io.File;
import java.io.FileInputStream;
import java.io.FileOutputStream;
import java.io.IOException;
```

```
public class q2 {
    public static void main(String[] args) {
        FileInputStream instream = null;
        FileOutputStream outstream = null;
```

```
try{
    File infile =new File("f1.txt");
    File outfile =new File("f2.txt");
    instream = new FileInputStream(infile);
    ostream = new FileOutputStream(outfile);

    byte[] buffer = new byte[1024];
    int length;

    while ((length = instream.read(buffer)) > 0){
        ostream.write(buffer, 0, length);
    }

    instream.close();
    ostream.close();

    System.out.println("File copied successfully!!");

} catch(IOException ioe){
    ioe.printStackTrace();
}
}
```

OUTPUT:

```
C:\Users\Lenovo>java l11q2
File copied successfully!!
```

Q3: Write a java program to capitalise the first letter of every word in a file.

CODE:

```
import java.io.*;

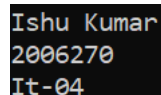
import static java.lang.Character.toUpperCase;

public class q3 {
    public static void main(String [] args) throws IOException {
        FileReader rd = null;
        FileWriter wr = new FileWriter("f2.txt");
        try{
            rd = new FileReader("f1.txt");
        }
        catch(FileNotFoundException e){
            System.out.println("File not found!");
            wr.close();
            return;
        }
        int prev, curr;
        curr = rd.read();
        char ch = toUpperCase((char)curr);
        wr.write((int)ch);
        prev = curr;
        while((curr = rd.read()) != -1){
            if((char)prev == ' ' || (char)prev == '\n'){
                ch = toUpperCase((char)curr);
                wr.write((int)ch);
            }
            else{
                wr.write(curr);
            }
            prev = curr;
        }

        rd.close();
        wr.close();

        rd = new FileReader("f2.txt");
        while((curr = rd.read()) != -1 ){
            System.out.print((char)curr);
        }
        rd.close();
    }
}
```

OUTPUT:



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Q-4 :Wap in java to design an applet to display roll no. , name, branch and section in separate lines

CODE:

/*

HTML CODE

```
<html>
<body>
  <applet code="l1lq4.class" height="300" width="200"> </applet>
</body>
/html>*/
```


```
import java.applet.Applet;
import java.awt.Graphics;
```

```
public class l1lq4 extends Applet {
  public void paint(Graphics g) {
    g.drawString("2006270", 50, 25);
    g.drawString("Ishu Kumar", 50, 50);
    g.drawString("Information Technology", 50, 75);
    g.drawString("IT-04", 50, 100);
  }
}
```

/*

```
<html>
<body>
  <applet code="l1lq4.class" height="900" width="600"> </applet>
</body>
/html>
*/
```

OUTPUT:

 Applet Viewer: l11q4.class

Applet

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Q-5

design an applet to display a message on the status bar of the applet

CODE:

/*//HTML FILE

```
<html>
<head>
  <title>Manual Status</title>
</head>
<body>
  <applet code="l11q5.class" width="700" height="500"> </applet>
</body>
</html>
```

```
*/import java.applet.Applet;
import java.awt.Graphics;
```

```
public class l11q5 extends Applet {
  public void paint(Graphics g) {
    showStatus("Manual Status");
  }
}
```


/*

```
<html>
<head>
  <title>Manual Status</title>
</head>
<body>
  <applet code="l11q5.class" width="700" height="500">
  </applet>
```

```
</body>
</html>
*/
```

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OUTPUT:

 Applet Viewer: l11q5.class

Applet



Q6 :Design an applet in which we like to pass parameters like name, ISBN no. and author of a book from the Html file, and the applet will display that information.

CODE:

/*//HTML FILE

```
<html>
<body>
  <applet code="l11q6.class" width="300" height="300">
    <param name="name" value="Programming in ANSI C " />
    <param name="isbn" value="2006270" />
    <param name="author" value="BALAGURUSAMMY" />
  </applet>
</body>
</html>
```

```
*/import java.applet.Applet;
import java.awt.Graphics;

public class l1lq6 extends Applet {

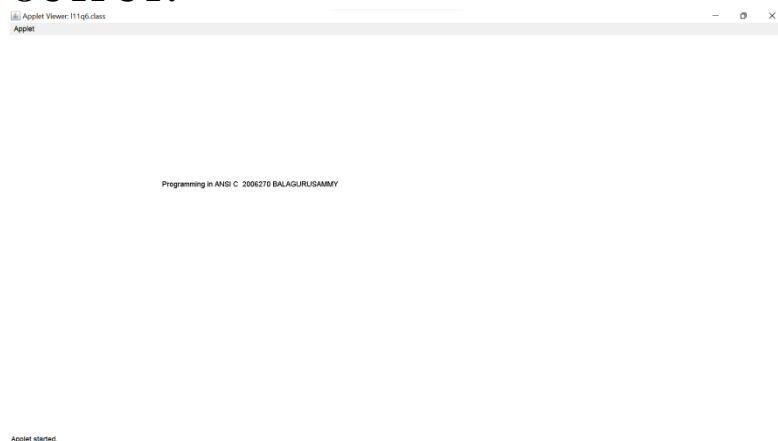
    public void paint(Graphics g) {
        String name = getParameter("name");
        String isbn = (getParameter("isbn"));
        String author = getParameter("author");
        g.drawString(name + " " + isbn + " " + author, 250, 250);
    }

}

/*
<html>
  <body>
    <applet code="l1lq6.class" width="300" height="300">
      <param name="name" value="Programming in ANSI C ">
      <param name="isbn" value="2006270">
      <param name="author" value="BALAGURUSAMMY">
    </applet>
  </body>
</html>
*/
```

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OUTPUT:



Q7 : design an applet to demonstrate the use of getdocumentbase() getcodebase() fn.

CODE:

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/*//HTML CODE

```
<applet code="l11q7" width="300" height="150"> </applet>
*/
```

```
import java.awt.*;
import java.applet.*;
import java.net.*;
```

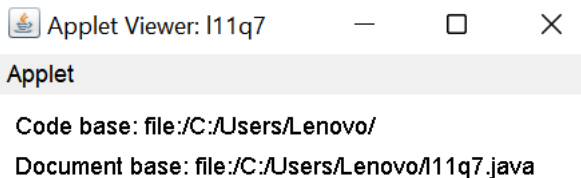
```
public class q7 extends Applet {

    public void paint(Graphics g) {
        String msg;
        URL url = getCodeBase();
        msg = "Code base: " + url.toString();
        g.drawString(msg, 10, 20);
        url = getDocumentBase();
        msg = "Document base: " + url.toString();
        g.drawString(msg, 10, 40);
    }

}
```

```
/*
<applet code="l11q7" width=300 height=150> </applet>
*/
```

OUTPUT:



Applet started.

Q8:design an applet to display a coloured smiley.

CODE:

```
import java.applet.Applet;
import java.awt.*;

public class l11q8 extends Applet {

    public void paint(Graphics g) {
        g.setColor(Color.yellow);
        g.fillOval(20,20,150,150);
        g.setColor(Color.black);
        g.fillOval(50,60,15,25);
        g.fillOval(120,60,15,25);
        g.drawArc(55,95,78,50,0,-180);
    }
}

/* <applet code="l11q8.class" width="200" height="200">
   </applet>
*/
```

OUTPUT:

