

WT-Assigmrnt9&10

By:- Anusthan Singh (20051337) cse-9

- Q1 Write a java program to display "Hello World" Message on Applet screen.

Code:-

```
import java.applet.Applet;  
import java.awt.Graphics;  
  
public class q1 extends Applet {  
    public void paint(Graphics g) {  
        g.drawString("Hello world!", 50, 25);  
    }  
}  
/*  
<applet code="HelloWorld.class" height=300 width=200>  
</applet>  
*/
```

Output:-



- Q2. Write a java program to design an applet to display the user information such as Roll No., Name, Branch and Section in separate lines.

Code:-

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

public class q4 extends Applet {
    public void paint(Graphics g) {
```

```
g.drawString("Anusthan Singh", 150, 150);
g.drawString("20051337", 150, 200);
g.drawString("CSE-9", 150, 250);
}
}
/*
 * * <applet code="q4.class" height=300 width=200>
 * * </applet>
 *
 */
```

Output:-

 Applet Viewer: q4.class

Applet

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CSE-9

Applet started.

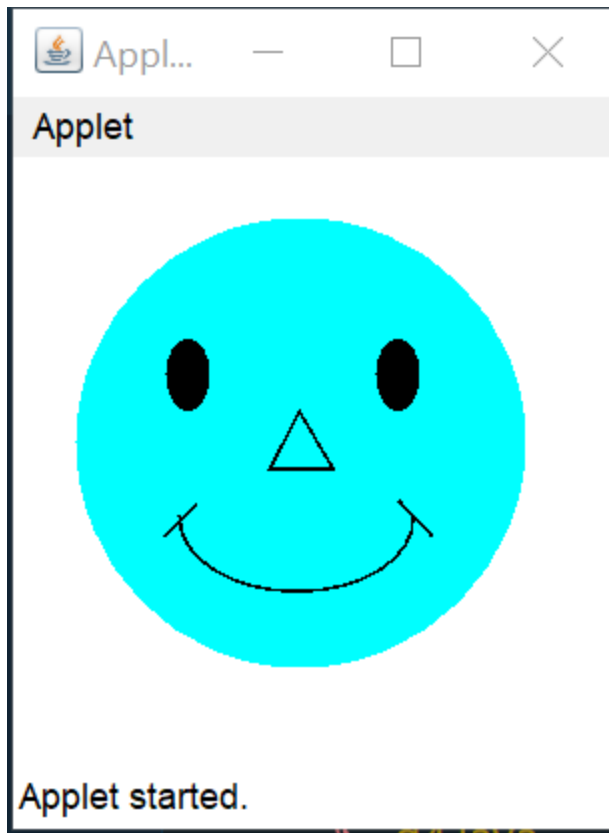
Q3. Design an applet to display a colored smiley.

```
Code:- import java.awt.*;

import java.applet.Applet;

public class smiley extends Applet
{
    public void paint(Graphics g)
    {
        g.setColor(Color.cyan);
        g.fillOval(20,20,150,150);
        g.setColor(Color.black);
        g.fillOval(50,60,15,25);
        g.fillOval(120,60,15,25);
        int x[]={95,85,106,95};
        int y[]={85,104,104,85};
        g.drawPolygon(x,y,4);
        g.drawArc(55,95,78,50,0,-180);
        g.drawLine(50,126,60,116);
        g.drawLine(128,115,139,126);
    }
}
/*
<applet code="smiley" height=200 width=200>
</applet>
*/
```

Output:-



Q4. Write an applet that places a rectangle, a rounded rectangle, a 3D rectangle and fill rectangle of random sizes and colors inside the applets visible area.

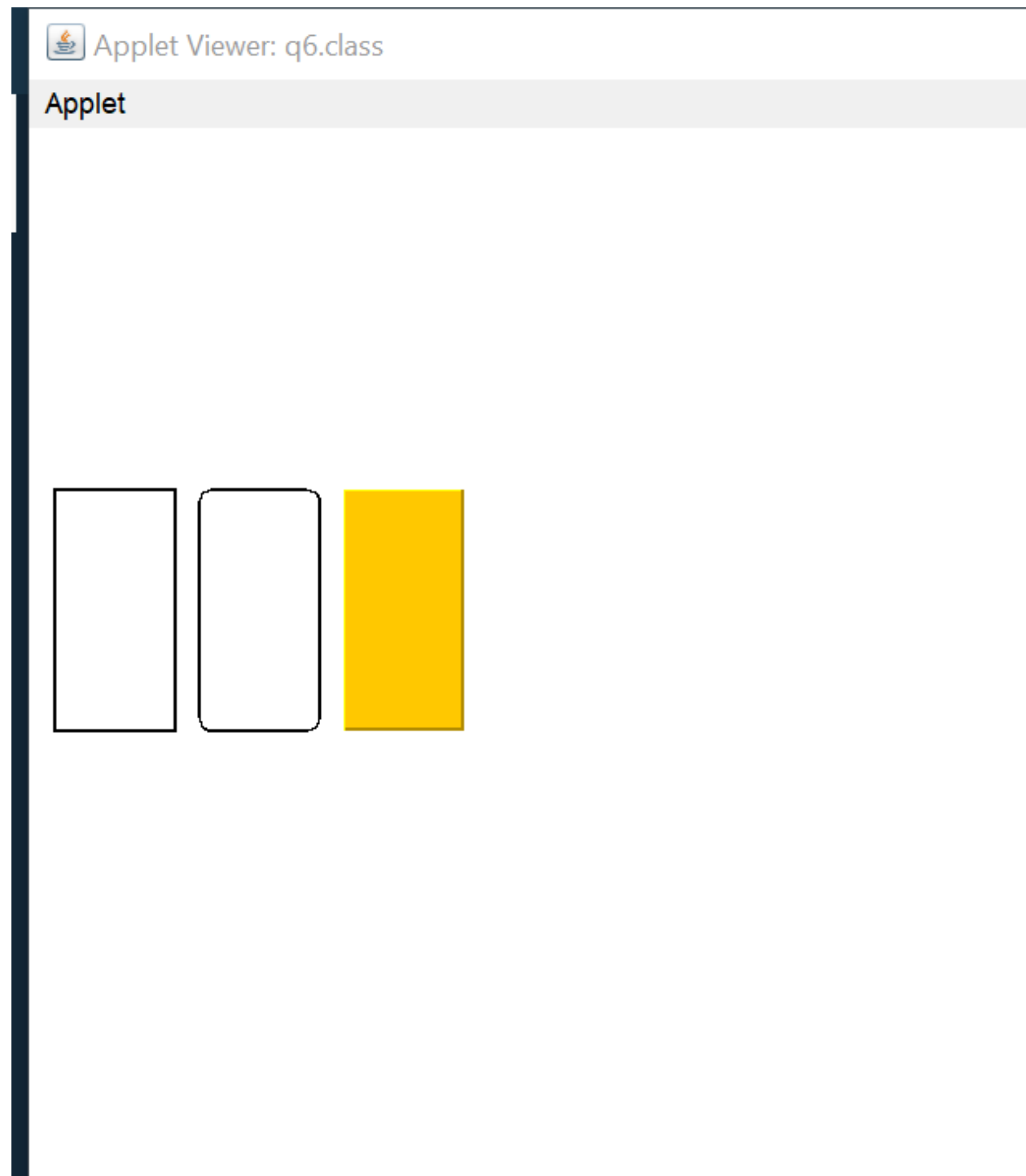
```
Code:- import java.applet.*;

import java.awt.*;

public class q6 extends Applet {
    public void paint(Graphics g) {
        g.drawRect(10, 150, 50, 100);
        g.drawRoundRect(70, 150, 50, 100, 10, 10);
        g.setColor(Color.orange);
        g.fill3DRect(130, 150, 50, 100, true);
    }
}

/*
 * <applet code = "q6.class" width=600 height=600>
 * </applet>
 *
 */
```

Output:-



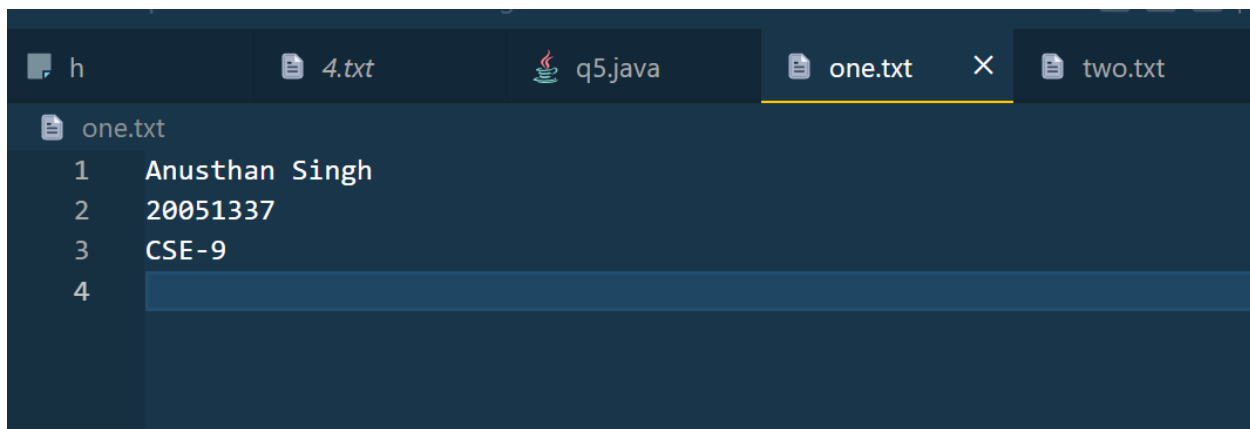
Q5. Write a program in Java to copy the content of a given file to another user entered file using character stream.

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

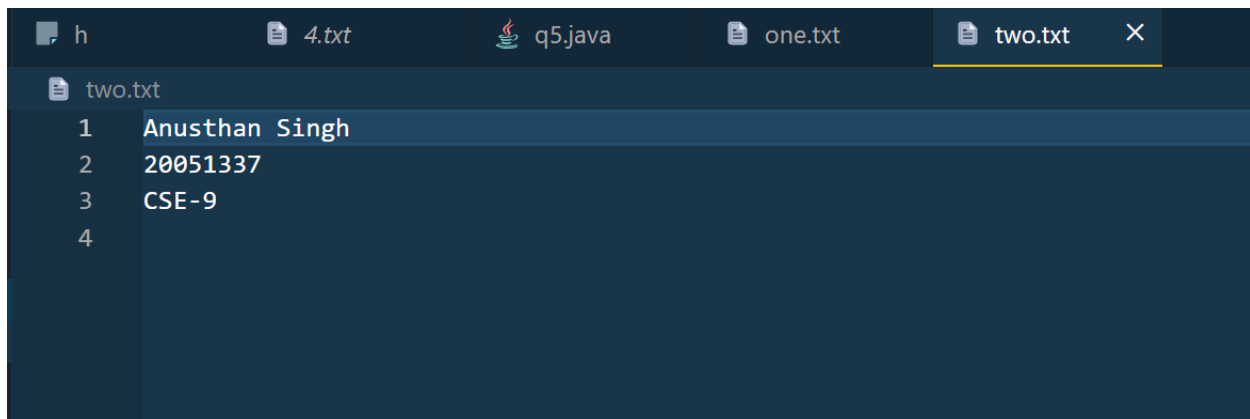
public class q5 {
    public static void main(String[] args) {
        try {
            FileInputStream fin = new FileInputStream(
                "one.txt");
            FileOutputStream fout = new FileOutputStream(
                "two.txt");
            int i = 0;
            while ((i = fin.read()) != -1) {
                fout.write((char) i);
            }
            fin.close();
            fout.close();
        } catch (Exception e) {
            System.out.println(e);
        }
    }
}
```

Output:-

one.txt



two.txt



Q6 Write a java program to capitalize first letter of every word in a file.

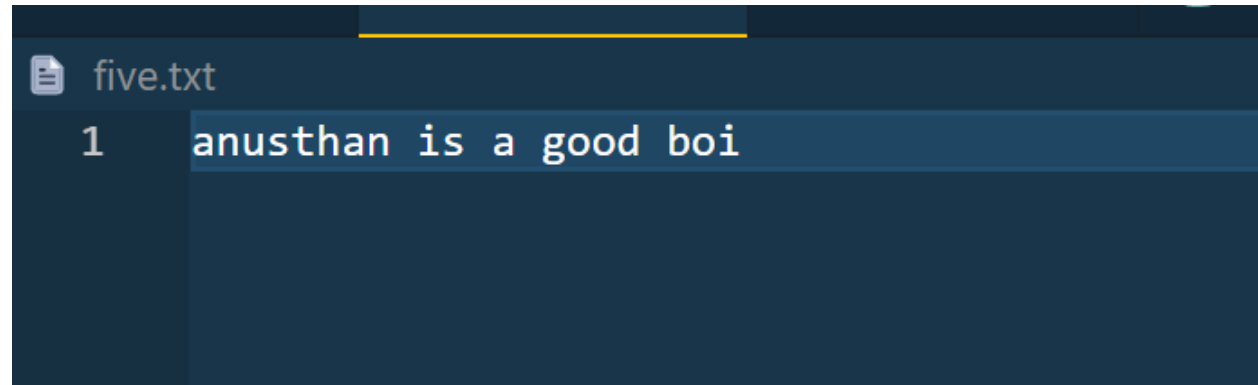
Code:-

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

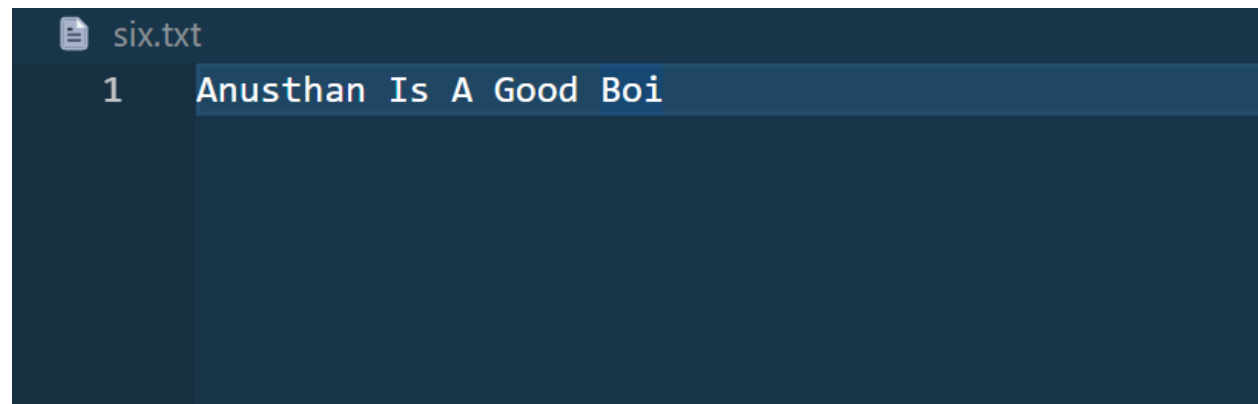
public class q3 {
    public static void main(String[] args) {
        try {
            FileInputStream fin1 = new FileInputStream("five.txt");
            FileOutputStream fout1 = new FileOutputStream("six.txt");
            int i = 0, flag = 1;
            char ch;
            while ((i = fin1.read()) != -1) {
                ch = (char) i;
                if (flag == 1) {
                    ch -= 32;
                    flag = 0;
                }
                if (ch == ' ')
                    flag++;
                fout1.write(ch);
            }
            System.out.println();
            fin1.close();
            fout1.close();
        } catch (Exception e) {
```

```
System.out.println(e);  
}  
}  
}
```

Output:-



A screenshot of a text editor window titled 'five.txt'. The editor has a dark blue background. The first line of the file is 'anusthan is a good boi', which is highlighted in a lighter blue. A line number '1' is visible on the left side of the editor.



A screenshot of a text editor window titled 'six.txt'. The editor has a dark blue background. The first line of the file is 'Anusthan Is A Good Boi', which is highlighted in a lighter blue. A line number '1' is visible on the left side of the editor.

Q7. Write a java program to compare two binary files, printing the first byte position where they differ.

```
import java.io.FileInputStream;  
  
public class lab10q2 {  
    public static void main(String[] args) {  
        try {  
            FileInputStream fin1 = new FileInputStream(  
                "3.txt");  
            FileInputStream fin2 = new FileInputStream(  
                "4.txt");
```

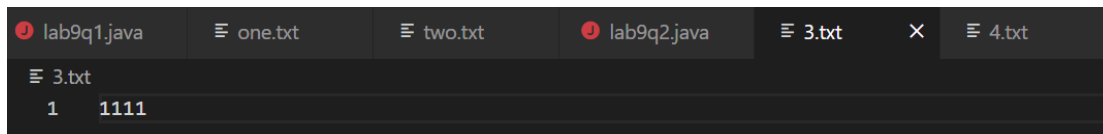
```

int i = 0, j = 0, count = 0;
while (((i = fin1.read()) != -1) && ((j = fin2.read()) != -1)) {
    if (i != j) {
        System.out.println(count);
        break;
    }
    count++;
}
fin1.close();
fin2.close();
} catch (Exception e) {
    System.out.println(e);
}
}
}

```

Output:-

3.txt

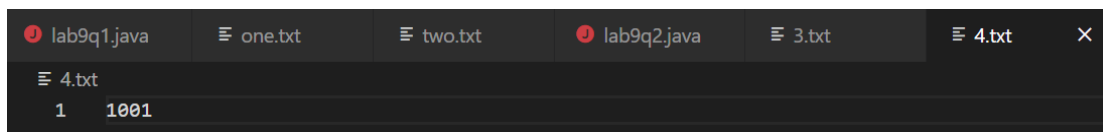


lab9q1.java one.txt two.txt lab9q2.java 3.txt 4.txt

3.txt

1 1111

4.txt



lab9q1.java one.txt two.txt lab9q2.java 3.txt 4.txt

4.txt

1 1001

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