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Batch CSE-06
Branch CSE
Subject Web Tech
~~Date~~

LAB Assignment 14

Ques 1

```java
import java.io.*;

public class ques1 {
    public static void main(String[] args) throws
                                        IOException {
        int c;
        File f = new File("input.txt");
        System.out.println("File exists: " + f.exists() + "\n Can
        read from file: " + f.canRead() + "\n Can write to file: "
        + f.canWrite() + "\n Absolute Path: " + f.getAbsolutePath());

        System.out.println("Read & Write using char stream");

        FileReader inc = new FileReader(f);
        FileReader outc = new FileWriter("out.txt");

        while ((c = inc.read()) != -1) {
            outc.write(c);
            System.out.println((char) c);
        }
        inc.close();
        outc.close();
    }
}
```

```
Run:    ques1 ×

    C:\Users\niks1\.jdks\corretto-1.8.0_332\bin\java.exe ...
    File exists : true
    Can read from file : true
    Can write to file : true
    Absolute Path : E:\4th Sem\Web Tech Lab\Java Lab\Lab 12\Lab12\in.txt
    Reading and Writing to file using char stream

    Nikhil Gupta
    Process finished with exit code 0

  Git    Run    TODO    Problems    Terminal    Services    Profiler    Build
```
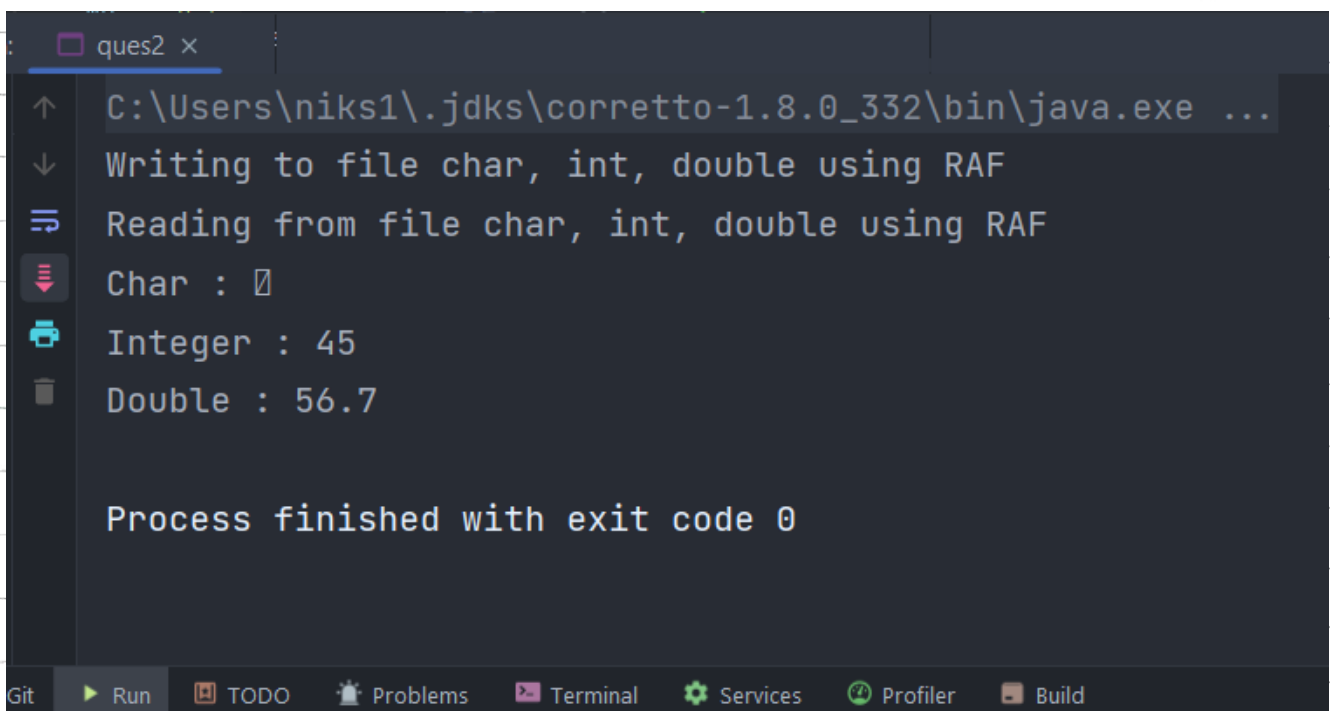
Ques 2

```java
import java.io.*;

public class ques2 {
    public static void main(String[] args) throws IOException {
        RandomAccessFile file = new RandomAccessFile("raf.txt", "rw");
        System.out.println("Writing to file using RAF");
        file.writeChar(23);
        file.writeInt(45);
        file.writeDouble(56.7);
        file.seek(0);

        System.out.println("Reading from file char, int, double using RAF");
        System.out.println("Char : " + file.readChar() + "\n" +
                           "Integer : " + file.readInt() + "\n Double : " +
                           file.readDouble());
        file.close();
    }
}
```

```
ques2 ×

C:\Users\niks1\.jdks\corretto-1.8.0_332\bin\java.exe ...
Writing to file char, int, double using RAF
Reading from file char, int, double using RAF
Char : ▯
Integer : 45
Double : 56.7


Process finished with exit code 0
```

Git   ▶ Run   TODO   Problems   Terminal   Services   Profiler   Build

Ques 3

```java
import java.io.*;

public class ques3 {
    public static void main (String[] args) throws IOException {
        FileInputStream file = new FileInputStream (args[0]);
        int c;
        System.out.println ("Read & Write using byte stream");
        while ((c = file.read()) != -1) {
            System.out.println ((char) c);
        }
        file.close();
    }
}
```

```
PS E:\4th Sem\Web Tech Lab\Java Lab\Lab 12\Lab12\src> javac8 ques3.java
PS E:\4th Sem\Web Tech Lab\Java Lab\Lab 12\Lab12\src> java8 ques3 ques3.txt
Reading and Writing to file using byte stream
nikhil gupta
PS E:\4th Sem\Web Tech Lab\Java Lab\Lab 12\Lab12\src>

  Git    ▶ Run    TODO    Problems    Terminal    Services    Profiler    Build
```

Ques 4

```java
import java.io.*;

public class ques4 {
    public static void main(String[] args) throws IOException {
        FileInputStream in = new FileInputStream("in.txt");
        FileInputStream out = new FileOutputStream("out.txt");
        int c, f=1;
        System.out.println("Read & write using byte stream");

        while((c=in.read()) != -1) {
            System.out.println((char) c);
            if(f==1) {
                out.write(Character.toUpperCase(c));
                f=0;
            } else
                out.write(c);
            if(c == 32 || c == 10)
                f=1;
        }
        in.close();
        out.close();
        System.out.println("Reading output file");
        in = new FileInputStream("out.txt");
        while((c=in.read()) != -1) {
            System.out.println((char)c);
        }
        in.close();
    }
}
```

```
Run:      ques4 ×

   C:\Users\niks1\.jdks\corretto-1.8.0_332\bin\java.exe ...
   Reading and Writing to file using byte stream
   Nikhil GuptaReading output file
   Nikhil Gupta
   Process finished with exit code 0


  Git    ▶ Run    TODO    Problems    Terminal    Services    Profiler    Build
```

Ques 5

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

public class ques5 extends Applet {
    String s;
    public void init() {
        System.out.println("Inside init method");
    }

    public void start() {
        s = "Java Applet";
        System.out.println("Inside start Method");
    }

    public void paint(Graphics g) {
        System.out.println("Inside paint Method");
        g.drawString(s, 25, 50);
    }
    public void stop() {
        System.out.println("Inside stop method");
    }
    public void destroy() {
        System.out.println("Inside Destroy Method");
    }
}
/*
<applet code="ques5" width=500 height=500>
</applet>
*/
```

Applet

Java Applet

Applet started.

Ques 6

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

public class ques6 extends Applet {
    public void paint (Graphics g) {
        g.drawRect (10, 20, 100, 100);
        g.drawString ("Square", 40, 70);
        g.drawRect (150, 20, 100, 150);
        g.drawString ("Rectangle, 175, 95);
        int x[] = {300, 430, 560};
        int y[] = {400, 60, 400};

        int number = 3;
        g.drawPolygon(x, y, number);
        g.drawString("Triangle", 410, 280);
        g.drawOval (10, 250, 150, 150);
        g.drawLine (10, 200, 190, 200);
        g.drawString ("Line", 220, 205);
    }
}
```

Square

Rectangle

Line

Oval

Triangle

Ques 7

```java
import java.awt.*;

public class ques7 extends java.applet.Applet {
    public void paint(Graphics g) {
        g.drawOval(80, 70, 150, 150);
        g.fillOval(120, 120, 15, 15);
        g.fillOval(170, 120, 15, 15);
        g.drawArc(130, 180, 50, 20, 180, 180);

        g.drawLine(100, 400, 300, 400);
        g.drawLine(100, 400, 70, 450);
        g.drawLine(300, 400, 350, 450);
        g.drawLine(300, 400, 250, 450);
        g.drawRect(70, 450, 280, 100);
        g.drawLine(450, 450, 250, 550);
    }
}
```

Ques 8

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

public class ques8 extendes Applet {
    public void paint(Graphics g) {
        g.drawString(".html path : " + (getDocumentBase()).
                      tostring(), 10, 20);
        g.drawString(".class path : " + (getCodeBase()).
                      tostring(), 10, 50);
    }
}
```

Applet Viewer: q8.class — □ ✕

Applet

.html path : file:/C:/Users/KIIT/OneDrive/Documents/Web%20Tech%20Lab/WT%20LAB%2013/q8.html

.class path : file:/C:/Users/KIIT/OneDrive/Documents/Web%20Tech%20Lab/WT%20LAB%2013/

Applet started.

Ques 9

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

public class ques9 extends Applet {
    public void paint (Graphics g) {
        g.drawString (getParameter ("$Roll No"), 50, 50);
        g.drawString (getParameter("$Name"), 50, 70);
        g.drawString (getParameter ("$Marks"), 50, 90);
        g.drawString (getParameter ("$Grade"), 50, 110);
    }
}
```

🍵 Applet Vie...	—	☐	✕

Applet

      Roll No : 20051523

      Name : Nikhil Gupta

      Marks : 02

      Grade : F

Applet started.