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ROLL NO:- 49

1] DO WHILE

CODE :

```
class While
{
    public static void main(String args[])
    {
        int n=0;
        int a=15;
        int b=20;
        int sum;
        do
        {
            sum=a+b+n;
            System.out.println("sum"+sum);
            n++;
        }
        while(n<10);
    }
}
```

OUTPUT :

```
C:\Windows\System32\cmd.e  X  +  v

C:\Users\yedu0\OneDrive\Documents\java>javac DoWhile.java

C:\Users\yedu0\OneDrive\Documents\java>java DoWhile.java
sum35
sum36
sum37
sum38
sum39
sum40
sum41
sum42
sum43
sum44

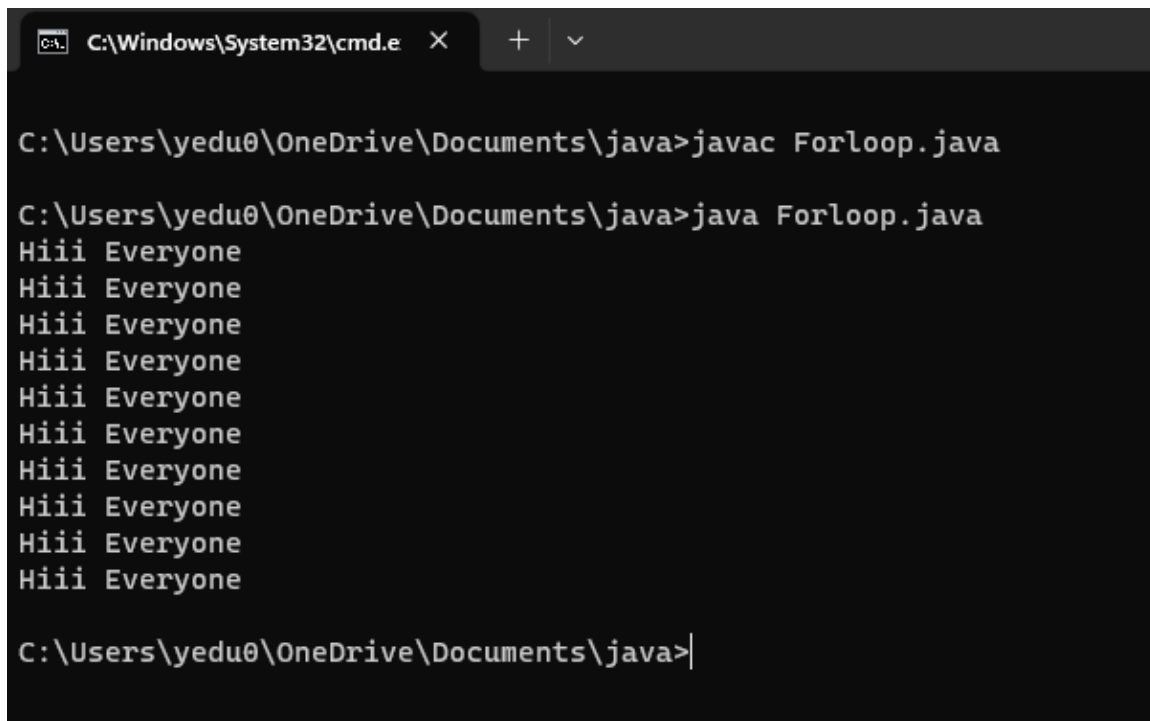
C:\Users\yedu0\OneDrive\Documents\java>|
```

2]FOR

CODE:

```
class Forloop
{
    public static void main(String[]args)
    {
        int i;
        int a=10;
        for(i=0;i<10;i++)
        {
            System.out.println("Hiii Everyone");
        }
    }
}
```

OUTPUT :

A screenshot of a Windows command prompt window. The title bar shows the path 'C:\Windows\System32\cmd.e' and standard window controls. The command prompt shows the following sequence of commands and output:
1. Command: `C:\Users\yedu0\OneDrive\Documents\java>javac Forloop.java`
2. Command: `C:\Users\yedu0\OneDrive\Documents\java>java Forloop.java`
3. Output: Ten lines of 'Hiii Everyone' printed one after another.
4. Command: `C:\Users\yedu0\OneDrive\Documents\java>` (with a cursor at the end).

```
C:\Windows\System32\cmd.e  X  +  v

C:\Users\yedu0\OneDrive\Documents\java>javac Forloop.java

C:\Users\yedu0\OneDrive\Documents\java>java Forloop.java
Hiii Everyone
Hiii Everyone
Hiii Everyone
Hiii Everyone
Hiii Everyone
Hiii Everyone
Hiii Everyone
Hiii Everyone
Hiii Everyone
Hiii Everyone

C:\Users\yedu0\OneDrive\Documents\java>|
```

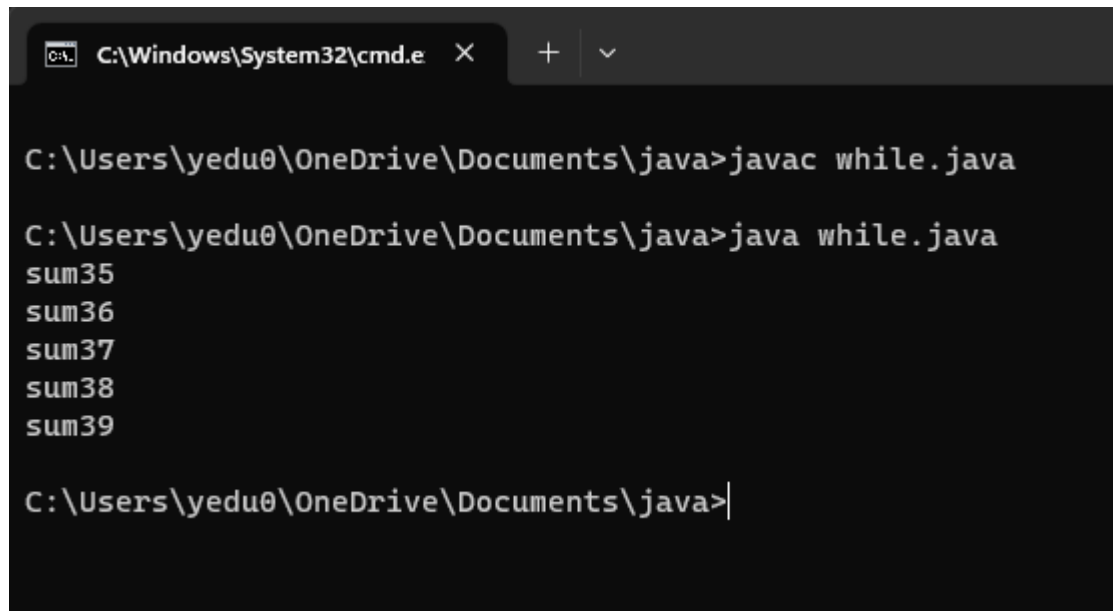
3]WHILE

CODE :

```
class While
{
    public static void main(String args[])
    {
        int n=0;
        int a=15;
        int b=20;
        int sum;
        while(n<5)
        {
            sum=a+b+n;
            System.out.println("sum"+sum);
            n++;
        }
    }
}
```

```
}  
}  
}
```

OUTPUT :



```
C:\Windows\System32\cmd.e  X  +  v  
  
C:\Users\yedu0\OneDrive\Documents\java>javac while.java  
  
C:\Users\yedu0\OneDrive\Documents\java>java while.java  
sum35  
sum36  
sum37  
sum38  
sum39  
  
C:\Users\yedu0\OneDrive\Documents\java>|
```

4] IF

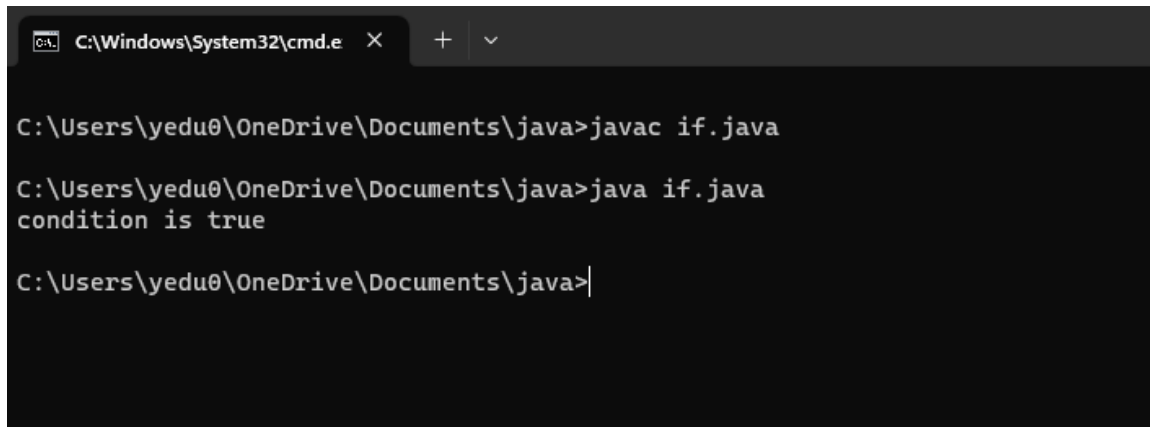
CODE :

```
class If  
{  
    public static void main(String args[])  
    {  
        int a=20;  
        int b=20;  
  
        if(a==b)  
        {  
            System.out.println("condition is true");  
        }  
    }  
}
```

```
}
```

```
}
```

OUTPUT :

A screenshot of a Windows command prompt window. The title bar shows 'C:\Windows\System32\cmd.e' with a close button and window controls. The command prompt shows the following sequence of commands and output:
C:\Users\yedu0\OneDrive\Documents\java>javac if.java
C:\Users\yedu0\OneDrive\Documents\java>java if.java
condition is true
C:\Users\yedu0\OneDrive\Documents\java>|
The background of the command prompt is dark, and the text is white.

5)IFELSE

CODE :

```
class IfElse
```

```
{
```

```
    public static void main(String args[])
```

```
    {
```

```
        int a=25;
```

```
        int b=20;
```

```
        if(a<b)
```

```
        {
```

```
            System.out.println("condition is true");
```

```
        }
```

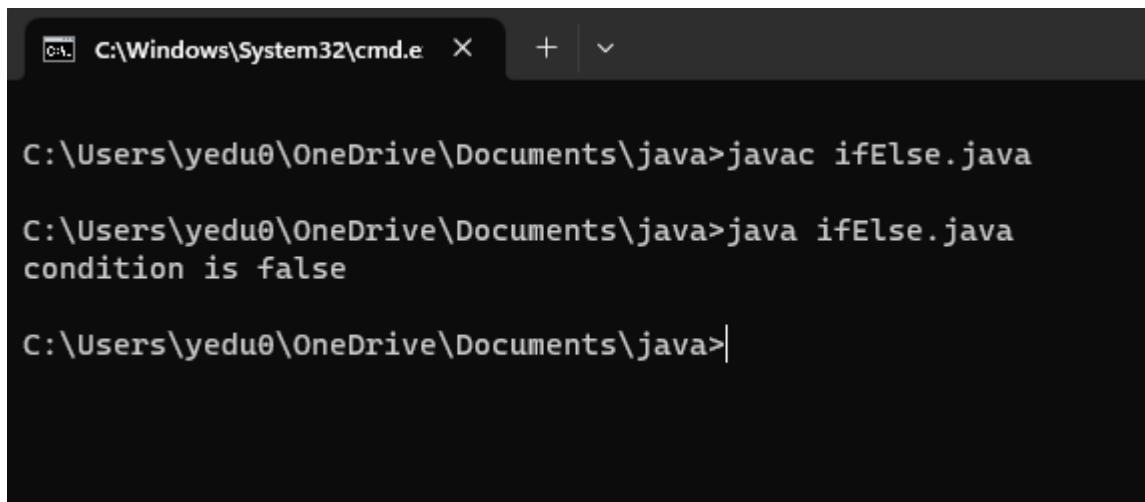
```
        else
```

```
            System.out.println("condition is false");
```

```
        }
```

```
    }
```

OUTPUT :

A screenshot of a Windows command prompt window. The title bar shows 'C:\Windows\System32\cmd.e' with a close button. The command prompt shows the following sequence of commands and output:
C:\Users\yedu0\OneDrive\Documents\java>javac ifElse.java
C:\Users\yedu0\OneDrive\Documents\java>java ifElse.java
condition is false
C:\Users\yedu0\OneDrive\Documents\java>|

```
C:\Windows\System32\cmd.e  X  +  v

C:\Users\yedu0\OneDrive\Documents\java>javac ifElse.java

C:\Users\yedu0\OneDrive\Documents\java>java ifElse.java
condition is false

C:\Users\yedu0\OneDrive\Documents\java>|
```

6] NESTED IF ELSE

CODE :

```
class NestedifelseProgram{
    public static void main(String args[])
    {
        int a=10;
        int b=20;
        int c=30;

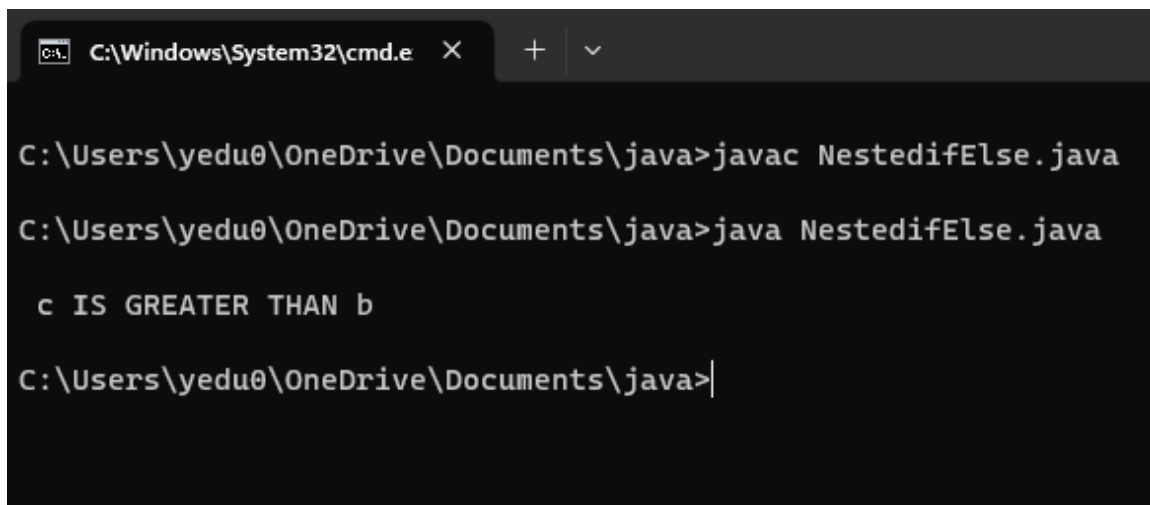
        if(a>b)
        {
            if(a>c)
            {
                System.out.println("\n a IS GREATER THAN c");
            }
            else
            {
                System.out.println("\n c IS GREATER THAN a");
            }
        }
    }
}
```

```

    }
}
else
{
    if(b>c)
    {
        System.out.println("\n b IS GREATER THAN c");
    }
    else
    {
        System.out.println("\n c IS GREATER THAN b");
    }
}
}
}

```

OUTPUT :



The screenshot shows a Windows command prompt window with the title bar 'C:\Windows\System32\cmd.e'. The command prompt is open at the directory 'C:\Users\yedu0\OneDrive\Documents\java'. The user has entered the following commands and received the following output:

```

C:\Users\yedu0\OneDrive\Documents\java>javac NestedifElse.java
C:\Users\yedu0\OneDrive\Documents\java>java NestedifElse.java
    c IS GREATER THAN b
C:\Users\yedu0\OneDrive\Documents\java>

```

7]SWITCH

CODE :

class While

```
{  
    public static void main(String args[])  
    {  
        int n=0;  
        int a=15;  
        int b=20;  
        int sum;  
        while(n<2)  
        {  
            sum=a+b;  
            switch(n)  
            {  
                case 0:  
                    System.out.println("sum"+sum);  
                    n++;  
                    break;  
  
                case 2:  
                    System.out.println("invalid");  
                    break;  
            }  
        }  
    }  
}
```

OUTPUT :



C:\Windows\System32\cmd.e



```
C:\Users\yedu0\OneDrive\Documents\java>javac switch.java
```

```
C:\Users\yedu0\OneDrive\Documents\java>java switch.java  
sum35
```