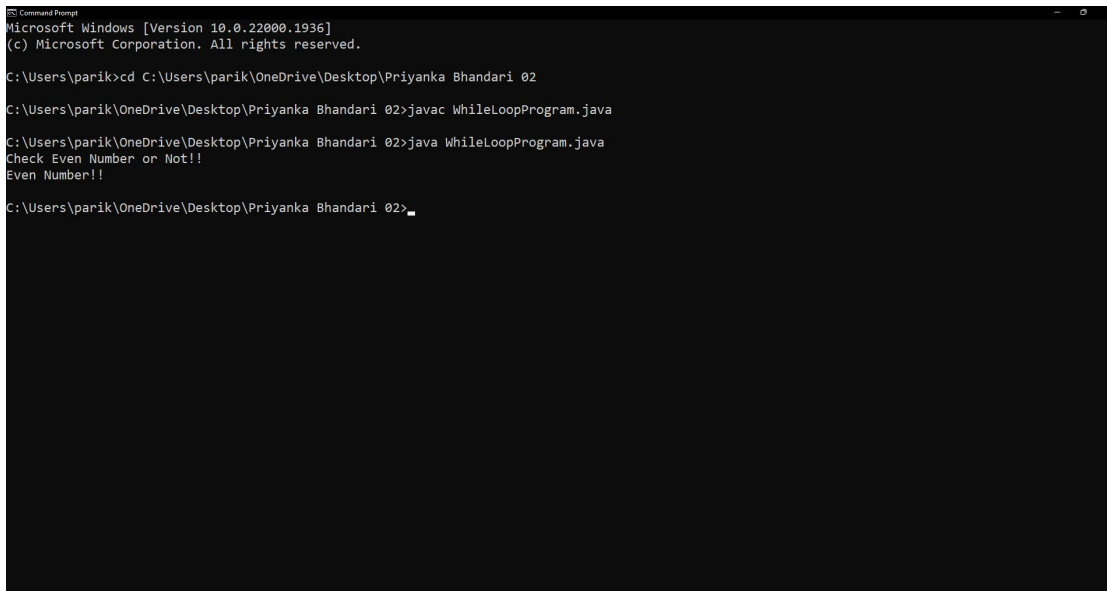


Branching and Looping

1) While loop

```
class WhileLoopProgram
{
    public static void main(String args[])
    {
        int n=8;
        System.out.println("Check Even Number or Not!!");
        while(n%2==0)
        {
            System.out.println("Even Number!!");
            break;
        }
    }
}
```



```
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C:\Users\parik>cd C:\Users\parik\OneDrive\Desktop\Priyanka Bhandari 02
C:\Users\parik\OneDrive\Desktop\Priyanka Bhandari 02>javac WhileLoopProgram.java
C:\Users\parik\OneDrive\Desktop\Priyanka Bhandari 02>java WhileLoopProgram.java
Check Even Number or Not!!
Even Number!!
C:\Users\parik\OneDrive\Desktop\Priyanka Bhandari 02>_
```

2) For loop

```
class ForProgram
```

```

{
    public static void main(String args[])
    {
        int a=20,i;
        for(i=0;i<=a;i++)
        {
            System.out.println("whole number=",i);
        }
    }
}

```

```

C:\Users\parik\OneDrive\Desktop\Priyanka Bhandari 02>javac ForProgram.java

C:\Users\parik\OneDrive\Desktop\Priyanka Bhandari 02>java ForProgram.java
whole number=0
whole number=1
whole number=2
whole number=3
whole number=4
whole number=5
whole number=6
whole number=7
whole number=8
whole number=9
whole number=10
whole number=11
whole number=12
whole number=13
whole number=14
whole number=15
whole number=16
whole number=17
whole number=18
whole number=19
whole number=20

C:\Users\parik\OneDrive\Desktop\Priyanka Bhandari 02>javac ForProgram.java

```

3) Do-While loop

```

class DoWhileProgram
{
    public static void main(String args[])
    {
        int a=20,i=0;
        System.out.println("Whole Number!!");
        do
        {

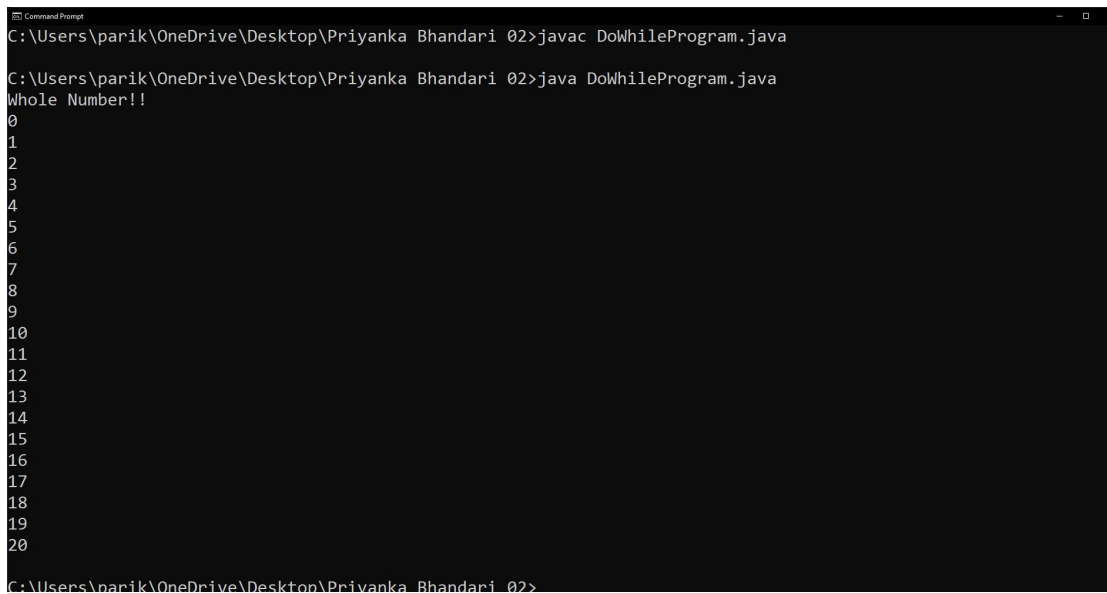
```

```

        System.out.println(i);
        i++;
    }
    while(i<=a);

}
}

```



```

C:\Users\parik\OneDrive\Desktop\Priyanka Bhandari_02>javac DowhileProgram.java

C:\Users\parik\OneDrive\Desktop\Priyanka Bhandari_02>java DowhileProgram.java
Whole Number!!
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
C:\Users\parik\OneDrive\Desktop\Priyanka Bhandari_02>

```

4)If Else

```

public class ifelse
{
    public static void main(String[] args) {
        int number=13;
        if(number%2==0)
        {
            System.out.println("even number");
        }
        else
        {
            System.out.println("odd number");
        }
    }
}

```

}

```
Microsoft Windows [Version 10.0.22000.1936]
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C:\Users\parik>cd C:\Users\parik\OneDrive\Desktop\Priyanka Bhandari 02

C:\Users\parik\OneDrive\Desktop\Priyanka Bhandari 02>javac ifelse.java

C:\Users\parik\OneDrive\Desktop\Priyanka Bhandari 02>java ifelse.java
odd number

C:\Users\parik\OneDrive\Desktop\Priyanka Bhandari 02>
```

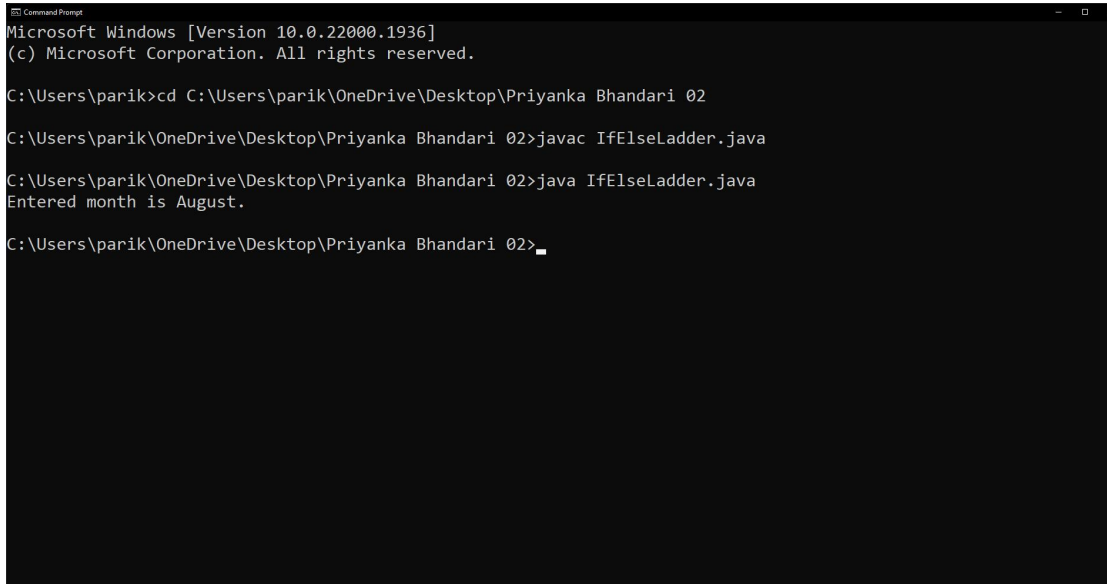
5) If Else Ladder

```
class IfElseLadder
{
    public static void main(String args[])
    {
        int month=8;
        if(month==6)
        {
            System.out.println("Entered month is June.");
        }
        else if(month==7)
        {
            System.out.println("Entered month is July.");
        }
        else if(month==8)
        {
            System.out.println("Entered month is August.");
        }
        else if(month==9)
```

```

        {
            System.out.println("Entered month is September.");
        }
    }
}

```



```

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C:\Users\parik>cd C:\Users\parik\OneDrive\Desktop\Priyanka Bhandari 02

C:\Users\parik\OneDrive\Desktop\Priyanka Bhandari 02>javac IfElseLadder.java

C:\Users\parik\OneDrive\Desktop\Priyanka Bhandari 02>java IfElseLadder.java
Entered month is August.

C:\Users\parik\OneDrive\Desktop\Priyanka Bhandari 02>_

```

6)Nested If else

```

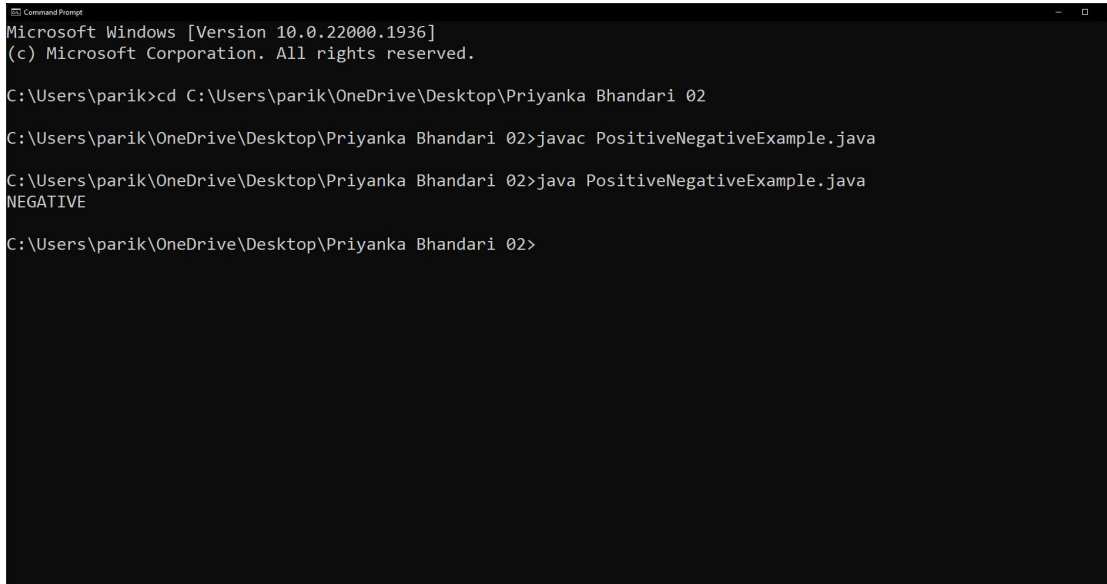
public class PositiveNegativeExample
{
    public static void main(String[] args) {
        int number=-13;
        if(number>0)
        {
            System.out.println("POSITIVE");
        }
        else if(number<0)
        {
            System.out.println("NEGATIVE");
        }
        else

```

```

{
    System.out.println("ZERO");
}
}
}

```



```

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C:\Users\parik>cd C:\Users\parik\OneDrive\Desktop\Priyanka Bhandari 02

C:\Users\parik\OneDrive\Desktop\Priyanka Bhandari 02>javac PositiveNegativeExample.java

C:\Users\parik\OneDrive\Desktop\Priyanka Bhandari 02>java PositiveNegativeExample.java
NEGATIVE

C:\Users\parik\OneDrive\Desktop\Priyanka Bhandari 02>

```

7)Switch case

```

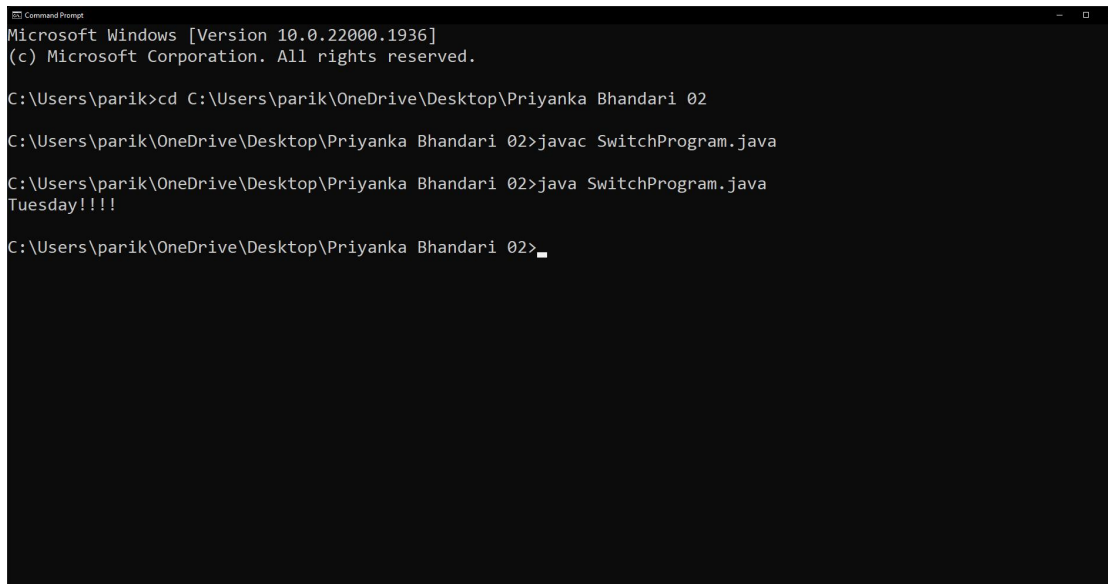
class SwitchProgram
{
    public static void main(String args[])
    {
        int a=2;
        switch(a)
        {
            case 1:
            {
                System.out.println("Monday!!!!");
            }
            case 2:
            {
                System.out.println("Tuesday!!!!");
            }
        }
    }
}

```

```

        break;
    }
    case 3:
    {
        System.out.println("Wednesday!!!!");
        break;
    }
    case 4:
    {
        System.out.println("Thursday!!!!");
        break;
    }
    default:
    {
        System.out.println("Invalid Day. Enter a Valid Day!!!!");
        break;
    }
}
}
}

```



```

Microsoft Windows [Version 10.0.22000.1936]
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C:\Users\parik>cd C:\Users\parik\OneDrive\Desktop\Priyanka Bhandari 02

C:\Users\parik\OneDrive\Desktop\Priyanka Bhandari 02>javac SwitchProgram.java

C:\Users\parik\OneDrive\Desktop\Priyanka Bhandari 02>java SwitchProgram.java
Tuesday!!!!

C:\Users\parik\OneDrive\Desktop\Priyanka Bhandari 02>_

```

