Implement a program using basic programming constructs like Branching and Looping

1} while loop

```
class Whileloop
{
    public static void main(String args[])
    {
int a=0;
    while(a<=100)
  {
    if(a%20==0)
    {
     System.out.println(a);
     } a++;
  }
  }
}
```

2} for loop

class Forloop

{

 public static void main(String arg[])

   {

       int a;

for(a=0;a<=100;a++)

     {

        if(a%20==0)

```
        {

            System.out.println(a);

        }

    }

 }

}
```

Output :

3} dowhile loop

```java
class Dowhileloop

{
```

```java
    public static void main(String arg[])
    {
int a=0;
    do
  {
    if(a%20==0)
    {
      System.out.println(a);
    } a++;
  } while(a<=100);
  }
}
```
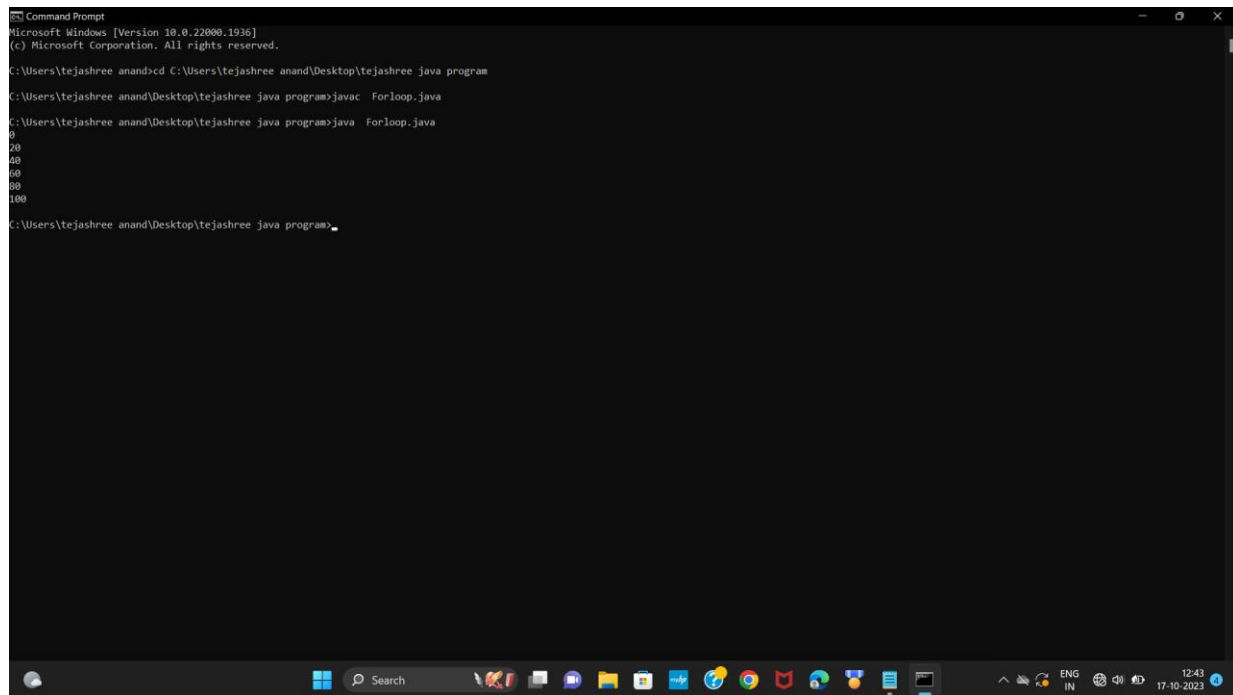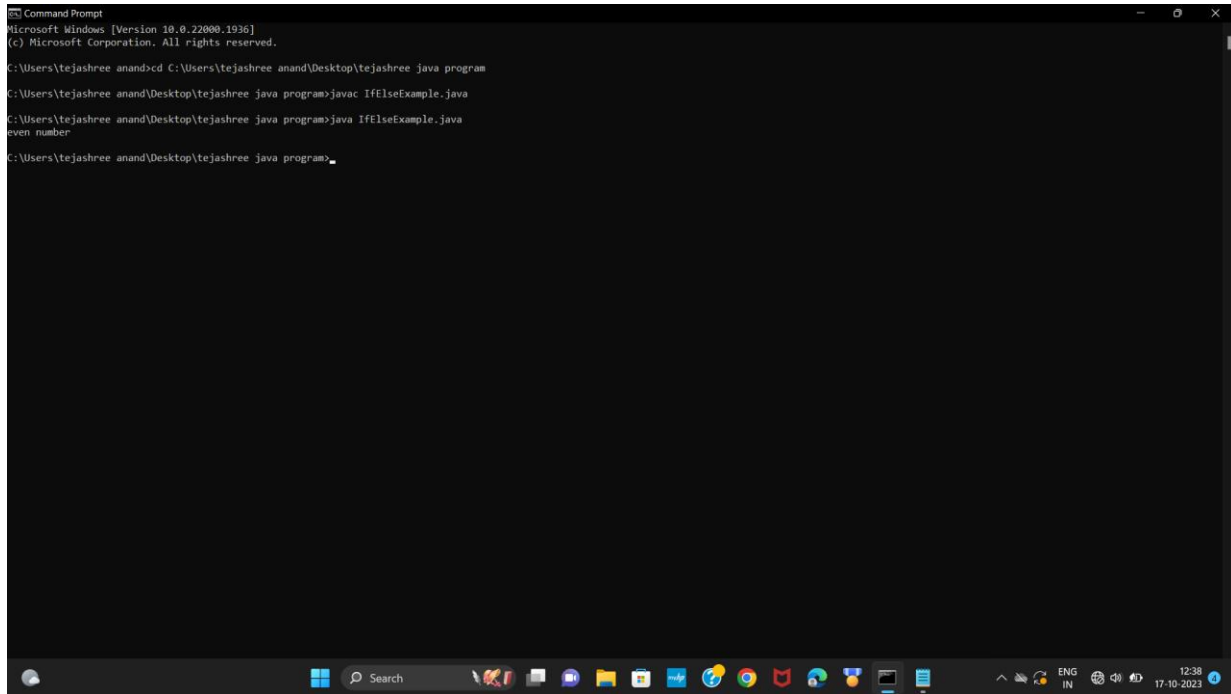
Output :

```
Command Prompt

Microsoft Windows [Version 10.0.22000.1936]
(c) Microsoft Corporation. All rights reserved.

C:\Users\tejashree anand>cd C:\Users\tejashree anand\Desktop\tejashree java program

C:\Users\tejashree anand\Desktop\tejashree java program>javac  Dowhileloop.java

C:\Users\tejashree anand\Desktop\tejashree java program>java  Dowhileloop.java
0
20
40
60
80
100

C:\Users\tejashree anand\Desktop\tejashree java program>
```

4}if else

```java
public class IfElseExample {

public static void main(String[] args) {

    int number=13;

        if(number%2==0){

        System.out.println("even number");

    }else{

        System.out.println("odd number");

    }

}

}
```

Output:

5} Ladder if else

```
class Ladder
{
  public static void main(String args[])
  {
    int a=90;

    if(a>=90)
    {
      System.out.println("grade A");
```

```java
}
else if(a>=80)
{
System.out.println("grade B");
}
else if(a>=70)
{
System.out.println("grade c");
}
else if(a<70)
{
System.out.println("grade F");
}
}
}
```

Output :

6} nested if else

public class Nested

{

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");

```
        }

    }

}
```

Output :

7} switch

```java
class Switch

{

  public static void main(String args[])

  {

    int a=4;

    switch(a)

    {
```

```java
case 1:
System.out.println("monday");
break;
case 2:
System.out.println("tuesday");
break;
case 3:
System.out.println("wednesday");
break;
case 4:
System.out.println("thursday");
break;
case 5:
System.out.println("friday");
break;
case 6:
System.out.println("saturday");
break;
case 7:
```

```
System.out.println("sunday");

break;

default:

System.out.println("invalid");

break;

}

}

}
```

Output: