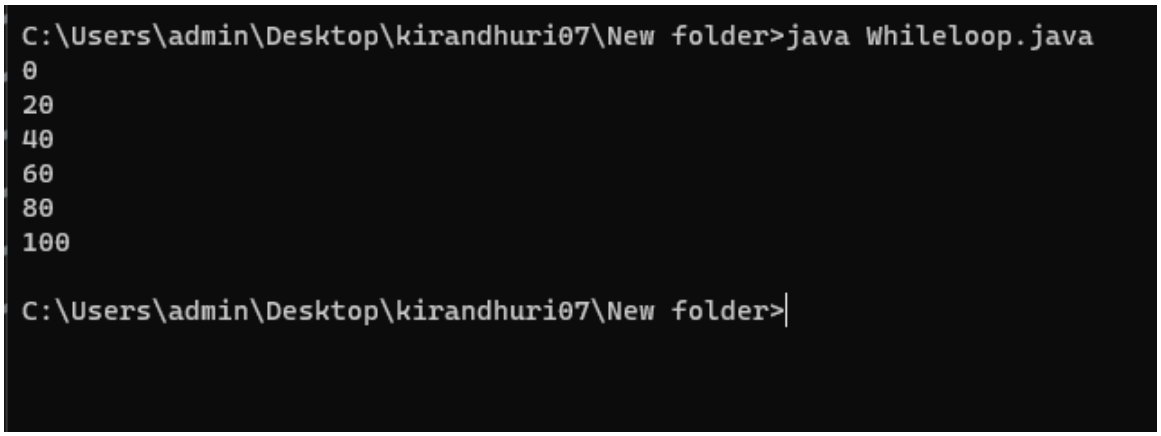
Implement a program using basic programming constructs like Branching and Looping

1} while loop

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

Output :



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 :

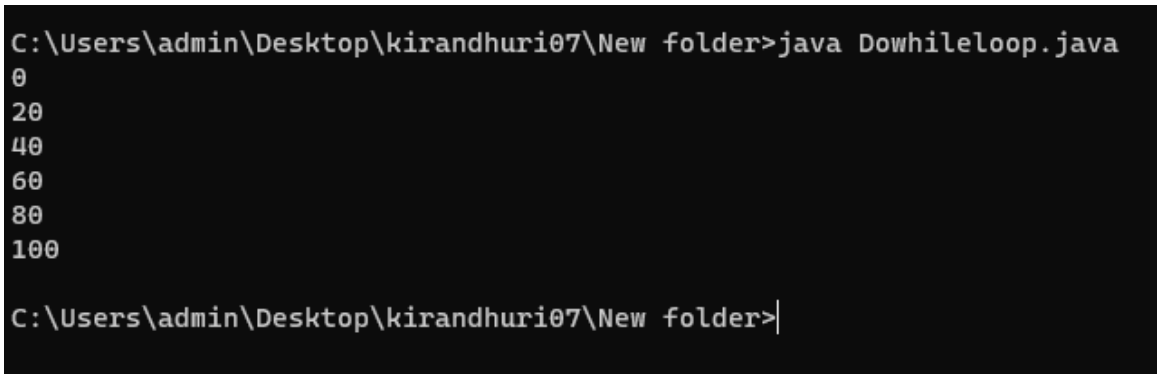
```
C:\Users\admin\Desktop\kirandhuri07\New folder>java Forloop.java
0
20
40
60
80
100

C:\Users\admin\Desktop\kirandhuri07\New folder>
```

3} dowhile loop

```
class Dowhileloop
{
      public static void main(String arg[])
    {
int a=0;
    do
  {
     if(a%20==0)
     {
      System.out.println(a);
      } a++;
```

```
    } while(a<=100);
    }
}
```

Output :

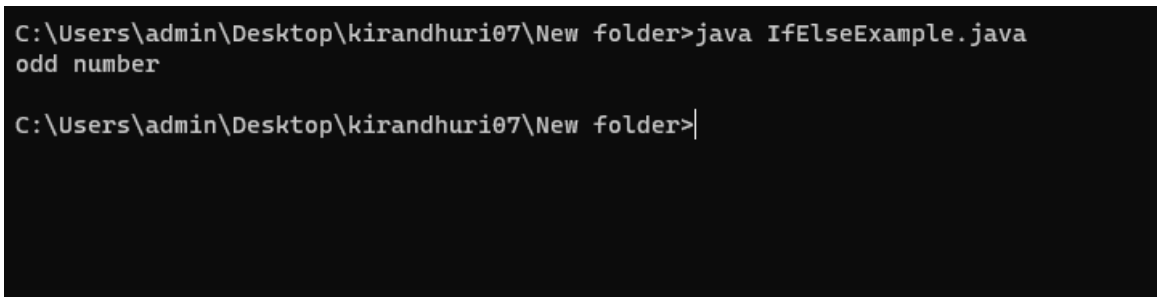


4}if else

```
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:

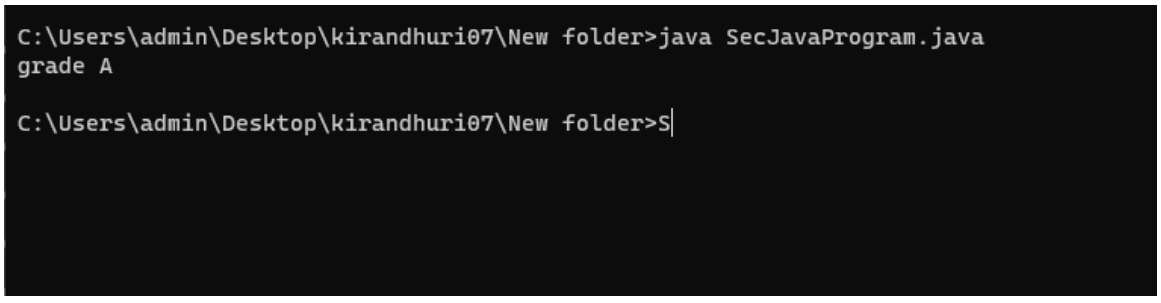


5} Ladder if else

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

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

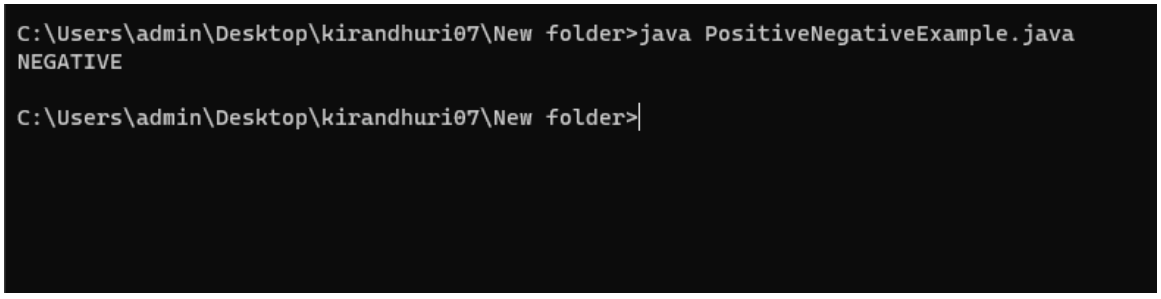


6} nested if else

```
public class 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");
    }
}
}
```

Output :



7} switch

```
class SecJavaProgram
{
```

```
  public static void main(String args[])
{
  int a=6;
  switch(a)
{
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: