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);
    }
}</pre>
```

```
}
}
}
```

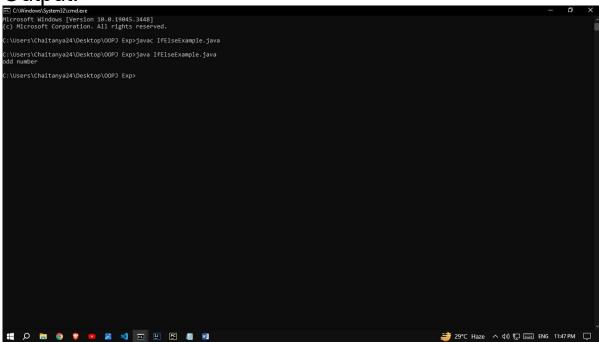
3) do while loop

```
class Dowhileloop
{
    public static void main(String arg[])
    {
    int a=0;
```

```
do
{
    if(a%20==0)
    {
        System.out.println(a);
        } a++;
    } while(a<=100);
}</pre>
```

4) if else

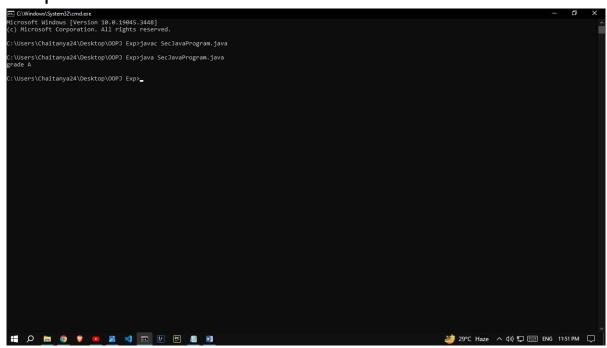
```
public class IfElseExample {
public static void main(String[] args) {
    int number=13;
        if(number%2==0){
        System.out.println("even number");
    }else{
        System.out.println("odd number");
    }
}
```



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");
}
</pre>
```



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");
    }
}</pre>
```

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:
```

