Program 1 : **Write java program to find max number**. (if condition)

```java
public class IF
{
   public static void main(String args[])
   {
      int num=70;
    if( num < 100 )
   {
       System.out.println("number is less than 100");
       if(num > 50)
   {
        System.out.println("number is greater than 50");
     }
    }
   }
}
```

Program 2 : **Write java program to display numbers in reverse order.** (for loop)

```java
class FOR
{
   public static void main(String args[])
   {
      for(int i=10; i>1; i--)
   {
         System.out.println("The value of i is: "+i);
      }
   }
}
```

Program 3 Write java program for pyramid

```java
public class Pyramid1
{
     public static void main(String[] args)
   {
         for(int i=1; i<= 5 ;i++)
   {
              for(int j=0; j < i; j++)
   {
                   System.out.print("*");
             }
                  System.out.println("");
       }
     }
}
```

Output of the above program would be

```
*
**
***
****
*****
```

Program 4 Mathematical operators

```java
public class Operators
 {
      public static void main(String[] args)
{
  System.out.println("Arithmetic operator example :");
int a=10;
int b=20;
double c;
c=a+b;      // to perform various mathematical operation change its sign(e.g. * for multiply, / for division , - for subtract )
System.out.println("The addition of two numbers:" +c);
     }
}
```

Output would be

Arithmetic operators example:

i = 70

j = 60

k = 120

l = 20.0

Program 5 Write a Java program for display pattern (Using for Loop)

```java
public class Pyramid1
{
      public static void main(String[] args)
{
         for(int i=1; i<= 5 ;i++)
{
              for(int j=0; j < i; j++)
{
                  System.out.print("j");
             }
                 System.out.println("\n");
          }
     }
}
```

1

1 2

1 2 3

1 2 3 4

1 2 3 4 5

Program 6 upper case to lower case

```java
public class Case
 {
 public static void main(String[] args)
{
 String str = "STRING TOLOWERCASE EXAMPLE";
 String strLower = str.toLowerCase();
 System.out.println("Original String: " + str);
 System.out.println("String changed to lower case: " + strLower);
     }
}
```

Output

Original String: STRING TOLOWERCASE EXAMPLE

String changed to lower case: string to lower case example

Program 7 reverse string

```
public class reverse
{
public static void main(String[] args)
{
    System.out.println(StringFormatter.reverseString("my name is khan"));
    System.out.println(StringFormatter.reverseString("I am sonoo jaiswal"));
    }
}
```

Output:
nahk si eman ym
lawsiaj oonos ma I

Program8: pattern

```
public class p1
{
     public static void main(String[] args)
{                System.out.println("########");
                 System.out.println("# ubuntu #");
                 System.out.println("########");


        }
     }
```

Program 9 :   print numbers from 1 to 10 using for loop.

```
public class Basic6 {

   public static void main(String[] args) {

     for (int input = 1; input <= 10; input++) {

       System.out.println(input);
     }

   }

}
```

Output:
1
2
3
4
5
6
7
8
9
10

Program 10: Program to print evenodd nos.

```java
public class evenodd {

    public static void main(String[] args) {

     int[] numbers = new int[]{1,2,3,4,5,6,7,8,9,10};

        for(int i=0; i < numbers.length; i++){


            if(numbers[i]%2 == 0)

                System.out.println(numbers[i] + " is even number.");

            else

                System.out.println(numbers[i] + " is odd number.");

        }

     }
}
```

Program: 10. Program to print the given age is eligible for voting.

```java
    class exam5

    {

            public static void main (String[ ]  args)

             int age=11;

            if(age>=18)

        {

          System.out.println("eligible for voting");

        }

        else

        {

        System.out.println("not eligible for voting");

        }

        }

        }
```

Program 12. Program to print the student is pass of fail

```
class exam6
{
        public static void main(String[] args)
        int marks=66;
        if(marks>=35)
    {
        System.out.println("the student is pass");
    }
    else
        {
                System.out.println("the student is fail");
        }
}}
```

Program 13. Program to print Tables

```
class exam9
{
 Public static void main(String[ ] args)
{
int a;
int y=10;
 for(a=1;a<=10;a++)
        System.out.println(y+"*"+a+"="+a*y);
}}
```

Program 14.Program to print 1 to 10 no using while loop.

```
class exam4
{
    public static void main(String[] args)
    {
            int i=1;
                while(i<=10)
        {
            System.out.println(i++);
}
}
}
```

Program 15: Program to print 1 to 10 no using do while loop.
```
class exam3
{
    public static void main(String[] args)
    {
            int i=1;
do
System.out.println(i++);
}
While(i<=10);
}
```