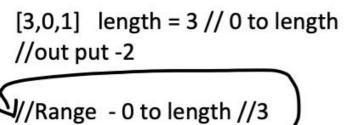
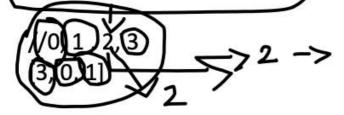
### **Bitwise Operator Problem**





^ - 0101 ^ 0111 = 0010

#### Loops

for, while, do-while, for-each

```
System.out.println(1);
System.out.println(2);
System.out.println(3);
```

#### //syntax - for-loop

```
for(initialization; condition; incre/decre) {
     //statements
}
```

```
For(int j =2; j <= 100; j *= 2) {
      System.out.print();
//code statem,ents
                                   False
                 condition
            True
                 Incr/decr
                              javaTpoint.com
```

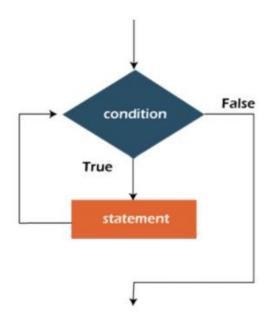
//j = 11 //output

12345678910

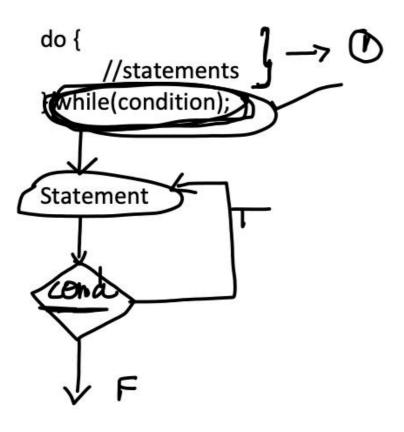
# While loop

### **Syntax**

```
while(condition) {
//statements
}
```

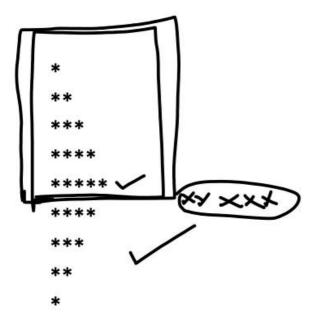


## Do - while Loop



```
For Each
Int[] nums = {1,2,3};
For(int j = 0; j <= 10; j++) {
      System.out.print(nums[j]); ...
      If(j == 5) {
             Break;
//state
for(int j : nums) {
      System.out.println(j); //1 2 3
                                                               //num of rows
                                                               For(int i = 1; i <= 5; i++) {//i = 6}
                                                                      For(int j = 5 - į; j >=1; j--) {
                                                                             System.out.print(" ");
                                                                      For (int j = 1; j <= i; j++) \{//j = 4\}
                                                                             System.out.print("*");
                                                                      System.out.println();
                                                                  ****
```

## Input = 5



#### **Switch Statement**

```
//syntax

switch(varName/expression) {
    Case value1:
        Break;
    Case value2:
        Break;
    ...
    Default:
}
```

```
/example
Int number = 20;
Switch (number)
            System.out.println("this is 10");
      Case (20)
                case(LO
            System.out.println("this is 20");
            break;
      Case BO)
            System.out.println("this is 30");
      Default:
            System.out.println("default");
//this is 20
[3,0,1] //0 to length(3) //Possible numbers - 0 12B
                                                      nput [3, 0,1].
//2
```