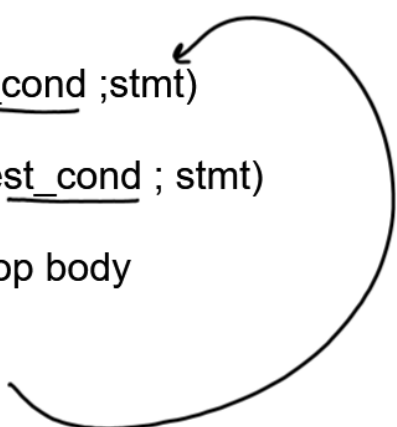


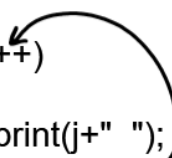
## Nested Loops

=====

```
for(init ; test_cond ; stmt)
{
    for(init ; test_cond ; stmt)
    {
        // loop body
    }
    // loop body
}
```



```
class NestedLoop
{
    public static void main(String [] args)
    {
        for(int i=1; i<=3; i++)
        {
            for(int j=10; j<=15; j++)
            {
                System.out.print(j+" ");
            }
            System.out.println();
        }
    }
}
```



i = 1	i = 2	i = 3	i = 4
j = 10	j = 10	j = 10	
11	11	.	
12	12	.	
13	.	.	
14	.	.	
15	.	.	
16	16	16	

10	11	12	13	14	15
10	11	12	13	14	15
10	11	12	13	14	15

```

class NestedLoop
{
    public static void main(String [] args)
    {
        for(int i=1;i<=3;i++)
        {
            for(int j=10;j<=15;j++)
            {
                System.out.print(j+" ");
                if(j==14)
                    break;
            }
            System.out.println();
        }
    }
}

```

## ARRAYS

Creating An Array:

=====

### 1. Creating array reference

<data type> [ ] <array\_ref>;

OR

<data type> <array\_ref>[ ];

### 2. Creating The Actual Array

<array\_ref>= new <data type>[ size ];

arr is a ref to an integer array

int [ ] arr;

arr = new int [10];

OR

int [ ] arr = new int [10];

OR

int arr[ ] = new int[10];

arr

arr

an array ref

This can be  
a variable also

heap



an array object