

Todays Topic

Nested loops



If a loop is used within another loop then such a control structure is called as nested loop.

Note: Where loop can be any loop i.e. while loop, for loop or do-while loop.



```
class demo
public static void main(String args[])
       for( int n=1; n<=5; n++)
               for( int i=1; i<=9; i++)
                      System.out.print( i );
               System.out.println();
```

WAP to print following Output:

```
123456789
123456789
123456789
123456789
```



```
class demo
public static void main(String args[])
       for( int n=1; n<=4; n++)
               for( int i=9; i>=0; i--)
                       System.out.print( i );
               System.out.println();
```

WAP to print following Output:



```
class demo
public static void main(String args[])
       for( int n=1; n<=4; n++)
               for( int i=1; i<=9; i++)
                       System.out.print( i );
               for( int i=9; i>=1; i--)
                       System.out.print( i );
               System.out.println();
```

WAP to print following Output:

123456789987654321

123456789987654321

123456789987654321



```
class demo
public static void main(String args[])
       for( int n=1; n<=3; n++)
               for( int i=9; i>=0; i--)
                       System.out.print( i );
               for( int i=1; i<=9; i++)
                       System.out.print( i );
               System.out.println();
```

WAP to print following Output:



```
class demo
public static void main(String args[])
       for( int n=1; n<=3; n++)
               for( int a=1; a<=4; a++)
                      for( int i=1; i<=9; i++)
                              System.out.print( i );
               System.out.println();
```

```
WAP to print following Output:
```





Todays Topic End

