05/08/2020

Daily Flash

Q.3) WAP to print pattern "AbAbAbAbAb".

```
class Pattern1 {
    public static void main (String[] args) {
        for(int i=1 ; i<=5; i++) {
            System.out.println ("Ab");
        }
    }
}
```

- Dry Run

Variables	Conditions	Statements	Incre/decre
i	i<=5	S.O.P("Ab")	i++
1	1<=5	Ab	2
2	2<=5	Ab	3
3	3<=5	Ab	4
4	4<=5	Ab	5
5	5<=5	Ab	6
6	6<=5 X		

Q.4) WAP to take 100 value from user and print the reverse order of that particular Number and also check which number is divisible by 5

```
import java.util.*;
class Program4 {
    public static void main (String[] args){
        int inum;
        Scanner sc = new Scanner (System.in);
        System.out.println("Enter a Number");
        inum = sc.nextInt ();

        System.out.println("Rererse order");
        for(int j = inum ; j>=1 ; j--) {
            System.out.print (j+" ");
        }

        System.out.println ("");

        System.out.println("Divisible by 5 is");
        For(int i=inum ; i>=1; i--) {
            IF (i%5==0) {
                System.out.println (i+" ");
            }
        }
    }
}
```

- Dry Run

Variables	condition	statements	Incre/decre.
j	j >= 1	~~s.o.p(i)~~ s.o.p(j)	j--
100	100 >= 1	100	99
99	99 >= 1	99	98
98	98 >= 1	98	97
97	97 >= 1	97	96
96	96 >= 1	96	95
95	95 >= 1	95	94
94	94 >= 1	94	93
:			
:			
:			
1	1 >= 1	1	0
0	0 >= 1 X		

i	i >= 1	IF(i%5==0)	s.o.p(i)	i--
100	100 >= 1	100%5==0 ✓	100	99
99	99 >= 1	99%5==0 X	-	98
98	98 >= 1	98%5==0 X	-	97
97	97 >= 1	97%5==0 X	-	96
96	96 >= 1	96%5==0 X	-	95
95	95 >= 1	95%5==0 ✓	95	94
:				
:				
1	1 >= 1	1%5==0 X	-	0
0	0 >= 1 X			

Q.5) WAP to print table of 3 and also check which numbers are even in that table.

```
class program5 {
    public static void main (String [] args) {
        System.out.println ("Table of 3");
        for(int i=1 ; i<=10; i++){
            system.out.print (i*3+" ");
        }
        System.out.println(" ");
        System.out.println("Even Numbers
                present in table");
        for(int j=1 ; j<=10 ; j++) {
            int mul = j*3;
            if(mul%2==0){
                system.out.print(mul+" ");
            }
        }
    }
}
```

- Dry Run

~~condition~~

Variables	condition	statements	Incre/decre
i	i<=10	s.o.p(i*3)	i++
1	1<=10	3	2
2	2<=10	6	3
3	3<=10	9	4
4	4<=10	12	5
5	5<=10	15	6
6	6<=10	18	7
7	7<=10	21	8
8	8<=10	24	9
9	9<=10	27	10
10	10<=10	30	11
11	11<=10 X		

j	j<=10	mul=j*3	IF(mul%2=0)	s.o.p(mul)	j++
1	1<=10	3	3%2=0 X	-	2
2	2<=10	6	6%2=0 ✓	6	3
3	3<=10	9	9%2=0 X	-	4
4	4<=10	12	12%2=0 ✓	12	5
5	5<=10	15	15%2=0 X	-	6
6	6<=10	18	18%2=0 ✓	18	7
7	7<=10	21	21%2=0 X	-	8
8	8<=10	24	24%2=0 ✓	24	9
9	9<=10	27	27%2=0 X	-	10
10	10<=10	30	30%2=0 ✓	30	11
11	11<=10 X				