JAVA Logic Stage 2

Nested for loop

1 12 123	1 22 333	1 2 2 3 3 3
1 2 3 4 5 6	1 1 2 1 2 3	1 2 1 3 2 1

1
  1 2 1
1 2 3 2 1
	1
	  1 2 1
	1 2 3 2 1
	  1 2 1
	   1
		3 2 1 2 3
		  3 2 3
		    3

1
  2 2 2
3 3 3 3 3
	0
	  1 0 1
	2 1 1 1 2
		z y x y z
		  z y z
		    z

a
 a b
  a b c
	*
	  * *
	 * * *
	* * * *
		* *
		 * *
		  * *

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

1
2 4
3 6 9
2 4
 1
	1
	        2 3 2
	      3 4 5 4 3
	     4 5 6 7 6 5 4
	    5 6 7 8 9 8 7 6 5
	   6 7 8 9 0 1 0 9 8 7 6
	  7 8 9 0 1 0 1 2 3 1 0 9 8 7
	 8 9 0 1 2 3 4 5 4 3 2 1 0 9 8
	9 0 1 2 3 4 5 6 7 6 5 4 3 2 1 0 9
	0 1 2 3 4 5 6 7 8 9 8 7 6 5 4 3 2 1 0	

Q.2 Write program to print following pictures.
```
ABCDEFGHIJKLMNOPQRST
ACEGIKMOQS
ADGJMPS
AEIMO
```

Q3 Write a program to generate the following figure using loop construct
```
ABCDEBCDECDEDEE
ABCDEBCDECDEDE
ABCDEBCDECDE
ABCDEBCDE
ABCDE
```

Q.4 Accept a number from user and check if it is prime number or not.

Q.5 Print all prime number between 51 to 100.

Q.6 Print twin prime number between 1 to 20.

Q.7 Accept a number from user and print that many prime number after the number.

Recursive function

Q.1 Find factorial of a number.

Q.2 Find binary of a number.

Q.3 Find Fibonacci series.

Q.4 Accept a number from user and do sum of digit