

## Write Java programs for the following:

1. Input a number and print all the factors of that number.
2. Take integer inputs till the user enters 0 and print the sum of all numbers  
(HINT: while loop).
3. Take integer inputs till the user enters 0 and print the largest number from all.
4. Print all even numbers till n.
5. Make a menu driven program. The user can enter 2 numbers, either 1 or 0.  
If the user enters 1 then keep taking input from the user for a student's marks(out of 100).  
If they enter 0 then stop.  
If he/ she scores :  
Marks >=90 -> print "This is Good"  
89 >= Marks >= 60 -> print "This is also Good"  
59 >= Marks >= 0 -> print "This is Good as well"  
Because marks don't matter but our effort does.  
(Hint : use do-while loop but think & understand why)
6. Print if a number is prime or not (Input n from the user).

=====PRINT USING LOOPS=====

7.\* \* \* \* \*  
\* \* \* \* \*  
\* \* \* \* \*  
\* \* \* \* \*

8.\* \* \* \* \*  
\* \* \* \* \*  
\* \* \* \* \*  
\* \* \* \* \*

9.\*

```
* *  
* * *  
* * * *
```

10.\* \* \* \*

```
* * *  
* *  
*
```

11.\*

```
* *  
* * *  
* * * *
```

12.1

```
1 2  
1 2 3  
1 2 3 4  
1 2 3 4 5
```

13.1 2 3 4 5

```
1 2 3 4  
1 2 3  
1 2  
1
```

14.1

```
2 3  
4 5 6  
7 8 9 10  
11 12 13 14
```

15. 1

```
0 1
1 0 1
0 1 0 1
1 0 1 0 1
```

16.\*

```

* * * * *
* * * * *
* * * * *
* * * * *
* * * * *
* * * * *
* * * * *
```

17.

```

* * * * *
* * * * *
* * * * *
* * * * *
* * * * *
```

18.

```
1
2 2
3 3 3
4 4 4 4
5 5 5 5 5
```

19.

```
1
212
32123
4321234
543212345
```

20.

