1. Program to take the number at runtime and check whether the given number is positive or negative.
2. Check whether the year is Leap Year or not.
3. Check whether the given number is divisible by both 3 and 5.
4. Check whether the student passed or failed and if he passed print which rank obtained.
5. Check the given character uppercase or lower case or digit or special character?
6. Print which number is biggest among two numbers
7. Print square of each number up to 20
8. Print “n” Even numbers
9. Print sum of all even numbers b/w 1 to n
10. Print even numbers up to n using

a. For

b. while

c. Do-while

1. Program to print the prime numbers from 1 to 10.
2. Print square of each number up to 20.
3. Print factorial of n.
4. Given number is perfect number or not
5. Print the Fibonacci series up to n.
6. Find big digit in a number
7. Program to Find Sum of Digits of a Number using Recursion
8. Program to print the sum of alternative digits in a given number?
9. Program to print the no of occurrences of a digit in a number.
10. Program to whether all digits in a given number are equal or not?
11. Program to add the first and last digit of a given number?
12. Program to add even and odd digits of a given number?
13. Program to reverse a number?
14. Program to print prime numbers between m to n.
15. Program to print **n** prime numbers
16. Program to print perfect numbers between m to n.
17. Program to print **n** perfect numbers
18. [Program to Find LCM of 2 numbers](https://www.geeksforgeeks.org/java-program-to-find-lcm-of-two-numbers)
19. [Program to Find GCD or HCF of 2 numbers](https://www.geeksforgeeks.org/java-program-to-find-gcd-or-hcf-of-two-numbers)
20. Program to Check Armstrong Number
21. Program to Print Armstrong Number between 1 to 1000
22. Program to Find Smallest of Three Numbers Using Ternary Operator
23. Program to Find Sum of Natural Numbers
24. Program to copy all elements of one array into another array
25. Program to find the frequency of each element in the array
26. Program to print the duplicate elements of an array
27. Program to print the elements of an array in reverse order without sorting
28. Program to find Largest Number and smallest in an Array
29. Program to sort the elements of an array in descending order
30. Program to print the sum of all the items of the array
31. Program to print Odd and Even Numbers from an Array
32. Program to check whether a given number is a happy number or not?
33. Program to Find the Sum of the Series 1/1+1/2+1/3+…1/N
34. Program to Find the Sum of the Series 1/1+1/2^2+1/3^2+1/4^2+1/5^2
35. Program to Find the Sum of the Series 1/1^0+1/2^1+1/3^2+1/4^3+1/5^4
36. Program to Find the Sum of the Series 1/2^0+1/2^1+1/2^2+1/2^3+1/2^4
37. Program to Find the Sum of the Series 1/1!+1/2!+1/3!+…1/N!
38. Program to Find the Sum of the Series 1/1+1/4+1/9+…1/N^2
39. Program to Find the Sum of the Series 1/1!+1/2!+1/3!+…1/N!
40. Write a program to display pattern

| \*  \* \*  \* \* \*  \* \* \* \*  \* \* \* \* \* | \*  \*\*\*  \*\*\*\*\*  \*\*\*\*\*\*\*  \*\*\*\*\*\*\*\*\*  \*\*\*\*\*\*\*  \*\*\*\*\*  \*\*\*  \* | \*  \*\*  \*\*\*  \*\*\*\*  \*\*\*\*\*  \*\*\*\*\*\* | \*\*\*\*\*  \*\*\*\*  \*\*\*  \*\*  \* |
| --- | --- | --- | --- |

| 1  1 2  1 2 3  1 2 3 4  1 2 3 4 5 | 1  2 3  4 5 6  7 8 9 10  11 12 13 14 15 | 5  5 4  5 4 3  5 4 3 2  5 4 3 2 1 | 1  2 1  3 2 1  4 3 2 1  5 4 3 2 1 |
| --- | --- | --- | --- |
| 1  10  101  1010  10101 | 1  212  32123  4321234 | 1 2 3 4  2 3 4  3 4  4  3 4  2 3 4  1 2 3 4 | 1  1\*2  1\*2\*3  1\*2\*3\*4  1\*2\*3\*4\*5  1\*2\*3\*4\*5\*6  1\*2\*3\*4\*5\*6\*7 |

| A  A B  A B C  A B C D  A B C D E  A B C D E F | A B C D E F G  A B C D E F  A B C D E  A B C D  A B C  A B  A | 1  \*2\*  \*\*3\*\*  \*\*\*4\*\*\*  \*\*\*\*5\*\*\*\*  \*\*\*\*\*6\*\*\*\*\*  \*\*\*\*\*\*7\*\*\*\*\*\* | \*\*\*\*\*\*1  \*\*\*\*\*12  \*\*\*\*123  \*\*\*1234  \*\*12345  \*123456  1234567 |
| --- | --- | --- | --- |