**BASIC PROGRAMMS:-**

1. Calculate area of a rectangle.
2. Calculate area of a square
3. Calculate area of a circle.
4. Calculate average of 5 numbers.
5. Check whether number is even or odd.
6. Take a year and check whether it is leap year or not
7. Take a number and check whether it is zero, positive or negative.
8. Take 2 numbers and display greatest number. (Also check equal number condition)
9. Take a number and find factorial of that number.
10. Write a program to swap 2 numbers using third variable.
11. Take 2 numbers and find smallest number.
12. Take a number check if a number is less than 100 or not. If it is less than 100 then check if it is odd or even.
13. Take a number to print the square of a number if it is less than 10.
14. Take a number and check whether it is zero, positive or negative using nested IF…ELSE statement .
15. Take 3 numbers and find greatest number using nested IF….ELSE statement.
16. Take 3 numbers and find smallest number using logical operator.
17. Write a program to swap 2 numbers without taking third variable.
18. Write a program to check whether character is alphabet or not.
19. Take a number from the user. Take starting number & ending number from the user. Generate multiplication table of that number.
20. Take a number and calculate sum of natural numbers.
21. Write a program to display Alphabets.
22. Make a simple calculator using switch case.
    1. 1.Addition
    2. 2.Subtraction
    3. 3.Multiplication
    4. 4.Division
23. Take 5 numbers and calculate percentage. According to that percentage print grade.

* If marks <50 then **Grade** is F.
* if marks >=50 <60 then **Grade** is D.
* if marks >=60 <70 then **Grade** is **C**.
* if marks >=70 <80 then **Grade** is B.
* if marks >=80 <90 then **Grade** is A.
* if marks >=90 then **Grade** is A+

1. Take starting number and ending number from the user and print following series.

Output :-

Enter starting number : 30

Enter ending number : 0

30

27

24

21

18

15

12

9

6

3

0