Code

1. Calculate 4 subjects % percentage and sum
2. Calculate S.I (simple interest) use $S.I = PRt/100$
3. Write an algorithm to type your name /age you can vote or not
4. write an algorithm to calculate the root of an quadratic equation (ax^2+bx+c)
5. Write an algorithm to calculate area of an Δ

$$\sqrt{S(s-a)(s-b)(s-c)}$$

$$s = \frac{a+b+c}{2}$$

6. algorithm for calculate a factorial of given no.
7. Sum of 100 numbers from 1 to 100
8. Sum of three numbers from input
9. write a program to calculate circumference of a circle
10. write a program to calculate area and parimeter of a rectangle $= 2(a+b)$

    square $= 4a$
11. write a program to calculate volum of a sphere

$$\frac{2}{3}\pi r^3$$

12. write a program to interchange values of two variables using a new variable

(13) write program (12) using without new variable

(14) write a program to calculate volume and area of a room.

(15) write a program that a number is greater than 100 or not

(16) write a program to calculate greatest among two numbers.

(17) write Program to find wheather a number is between 5 and 500.

(18) check wheather a number is even or odd.

(19) write a program to take value of P

① Red
② Yellow
③ Pink
④ Black

(20) Same program with switch case

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(21) make a calculator using switch case

(22) print No 1 to 20

(23) Sum (22) Code

(24) Print a table using for loop 5.4

(25) Print a table using while loop

(26) Printing Star "*" Pattern

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

(27) Print all even numbers from 1 to 50 using while loop.

(28) Print code (27) using for loop

(29) write a program to enter marks of 4 subjects Print its total and percentage using for loop.

(30) given No — 4789

we have to print 4+7+8+9 using forloop

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(31) Pring Reverse order of a 4 digit number.

(32) write a program to check wheather a no. is palnidrom or not

Doubt

(33) To print

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

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

(34) Doubt

```
4
4 3
4 3 7
4 3 7 5
4 3 7 5 2
```

given No — 43752

35 Break continue and Goto programs :

36 Program to read & write array

37 write the program to print sum and average of an array which numbers are given by user.

38 WAP To find maximum value of an Array.

39 WAP To Save your name and Print it with Array

40 WAP to Print element of array in reverse order.

41 WAP to Print number of odd numbers in an array.

42 WAP To read and write a two dimentional array of 3 by 5.

43 WAP to print Sum of value of n matrix

44 WAP to enter two matrices and print Sum of two matrices stored in third matrix.

45 P 44 But for -ve

46 Same Program to calculate $m_1 * m_2$

47 P 46 But now you Have to print it.

48 Built In function definition and example

49 User defined function and example

function declaration
func definition
func calling

} define in an example

and

50 Use different kind of ~~Add~~ function from <math.h> and Use its combination in different way.

50 function with no return type and no Parameter.

51 function with return types and no parameter.

52 fun with no return types ad with parameter.

53 fun with return type and with parameter.

54 write a c++ code factorial of a number using function;

55 To check wheather a number is odd or even ; (with function)

56 57 classes Definition and syntax and example ; 56 56

57 area of rectangle by classes;

58 Scope resolution operators

59 WAP for Arithmatic class : taking 2 variable add, sub, multi, div, modulus.

60 WAP for calculating area of circle by class

61 Constructors . definition, example

62 class Rectangle areg

63 Default construcor example

64 Parameterized construcor exampe.

65 calss Rectangle example

66 Copy Constructor MI MII

67 MI

68 MII

69 Destructor definition, example

70 get and display name of student

71 class demo

72 class factorial

73 Inheritance define , make class.

74 Excess specifiers with code

(78) Types of inheritance with single inheritance

(76) class Addition with Multi level inheritance

(77) Multiple inheritance

(78) Hirarchical inheritance

(79) Hybrid Inheritance

(80) Access specifiers assigned to Derived class

(81) friend function with class circle

(82) friend fun for two classes

(83) WAP to calculate greatest among two numbers using using friend function:

(84) Polymorphism:

(85) CTP

(86) function overloading

(87) WAP -

(88) operator overloading, Err

(89) ## Class Shape, Points

(90) # class shape

(91) Run time polymorphism, key points, example

(92) ~~Re~~ call by value

(93) call by reference

(94) call by address

(95) Recursion