

L Compiler mode.

- Ques.1 Find Circumference of Circle ($2\pi r$)
- Ques.2 Volume of sphere ($\frac{4}{3}\pi r^3$)
- Ques.3 Area of a rectangle ($l \times b$)
- Ques.4 Area of triangle ($\frac{1}{2} \times \text{base} \times \text{height}$)
- Ques.5 Area of Circle (πr^2) where $\pi = 3.14$
- Ques.6 Simple interest and Compound interest
- Ques.7 Celsius to Fahrenheit and Fahrenheit to Celsius
- Ques.8 Maximum runs in cricket.
- Ques.9 Write a python program to interchange the values of two variable
- (i) using third variable
 - (ii) without using third variable
 - (iii) using bitwise operator.
- Ques.10 Write a program in python where user inputs number of head and feet in a farm to identify number of chicken and rabbits in the farm. For example if there are 340 heads and 1060 feet then result will be 150 chickens and 190 rabbits.

Teacher's Signature.....

Ques. 11 No. of tiles in a room

Ques. 12 Write a program to find a maximum number.

Ques. 13 A person having some apples if he makes group of 7 he had no left any apple but if he makes group of 6, 5, 4, 3 he left 1 apple. Find how many apples did he have?

Ques. 14 Write a program to check whether the number is divisible by 5 and 11

Ques. 15 Write a program to input week number and week days

Ques. 15 Write a program to input the sides of a triangle and prove it is valid.

Ques. 16 Write a program to calculate profit and loss.

Ques. 17 You have to input marks of subject and calculate the following. If % is more than 90 then print grade A

80-90 → grade B

70-79 → grade C

60-69 → grade D

And above 40 and below 60 → grade E
and less than 40 → grade F

Ques. 18 We have to calculate electricity charge and calculate charge according to given conditions:

For first 50 unit Rs 50 paise per unit

For next 100 unit Rs 75 paise per unit.

For next 100 unit Rs 1.20 per unit

And for above 250 unit Rs 1.50 per unit +

An additional sur charge of 20% is added to the bill.

Ques. 19 Leap year

Ques. 20 ^{days} Months in a month.

Ques. 21 Write a python programme to print first n natural number the value of n is given by user.

Ques. 22 Print sum of first n natural numbers

Ques. 23 Write a python programme to print all the alphabet

Ques. 24 Write a python programme to print all even numbers from one to 100.

Ques. 25 Print all odd numbers from 1 to 100

Ques. 26 Sum of all odd number 1 to 50

Ques. 27 Sum of all even number 1 to 50

Ques. 28 Count digits in a number.

Ques. 29 Sum of first and last digit of number.

Ques. 30 You have to find out product of each digit of that number

Ques. 31 You have to find out reverse of given number.

Ques. 32 To check whether the given number is palindrom (0 to 255)

Ques. 33 To print all ~~its~~ values.

Ques. 34 Factors of given numbers.

- Ques. 1 Enter a number from the user and check whether it is neon or not. Eg $9^2 = 81$; $8+1 = 9$
- Ques. 2 Find out factorial of a number
- Ques. 3 To check whether the number is strong, peterson, krishnamoorthy
- Ques. 4 To find out the factors of given number.
- Ques. 1 Write a programme in python to enter a string from user and to print the reverse of the string without using slice and any other function.
- (b) to find the index of some string
 - (c) to find the various occurrence of a character in a string. use find and index method only.
- Ques. (d) to interchange the characters from lower case to upper case and vice-versa.
- (e) To interchange digits from @ in the string.