

1. find LCM & GCD of given number
2. Find the area of a circle, perimeter of a circle
3. Write a python program to convert binary number to decimal & decimal no. to binary
4. Write a python program to convert degree celcius into Fahrenheit and farenheit into degree celcius
5. Write a python program, square, root, square root of a given no.

$$\begin{array}{ll} x = 4 & x^2 = 16 \\ & x^3 = 64 \\ \sqrt{4} = 2 & \end{array}$$

6. write a simple python program to print n' natural numbers

6)

```
# python programming to print natural numbers from 1 to n  
number = int(input('Please enter any number :'))  
print('The list of Natural numbers from 1 to {} :'.format(number))  
for i in range(1, number+1):
```

21 : 1:32

Python is dynamically typed language

" " data is string

Do not start with a number

'number x'

Number 1

No space - Variable

7) Write a python program to find whether a person is eligible for driving or not (Condition if)

8) to find greatest number  
of three number i) 10 ii) 5 iii) 12  
Sample output 12

9) Write a python program to find whether the entered year is a leap year or not.

10) to do addition, x, -, mod  
floor division of given two numbers.

1) Write a python program to print a grade of student  
if  $90 - 100 = A$

$80 - 90 = A$

~~70~~  $70 - 80 = B$

$60 - 70 = C$

$50 - 60 = D$

$< 50 = F$

2) ~~Salary Bonus~~

$\geq 10,000 \rightarrow 7.5\%$

$< 2000$

Years of exp.

2)  $\text{Salary} = 10,000 \quad \text{Salary} > 10,000$   
 $\text{Bonus} = 5\% \quad \text{Bonus} = 7.5\%$

$\text{Salary} < 20,00$

Years of experience  $\rightarrow 5 \text{ yrs} \rightarrow 20\%$

$< 5 \text{ yrs} \rightarrow 10\%$

4) Write a python program to find whether the entered number is even or odd

5) perfect number.

6) Prime / composite

Prime:

```
Num = int(input("Enter ="))
if num > 2;
    for i in range(2,num);
        if num % i == 0
            print ("Not a prime number")
        else;
            print ("It is a prime")
```

Composite:

```
Num = int(input("Enter ="))
if num > 2;
    for i in range(3,num);
        if num % i == 0
            print ("Not a composite number")
        else;
            print ("It is a composite")
```

Perfect Number:

co factor sum = number

if num % p == 0

sum = sum + i

(or)

sum + i = ?

while loop

fall loop

i = 1

while i < 6:

print(i)

i += 1

Reverse a number

Write a python pro for swapping  
inp

a = 10.5

b = 12.5

a = 12.5

b = 10.5