

WORKSHEET 1 (PYTHON)

Answer 11:- Programme to find factorial of a number

```
In [20]: x= int(input("enter the number whoes factorial u want to find :- "))
y=1
for i in range(1,x+1):
    y*=i
print("the factotial of ",x, "is ", y)

enter the number whoes factorial u want to find :- 7
the factotial of 7 is 5040
```

Answer 12:- programme to find the number is prime or composite

```
In [13]: x= int(input("enter the number:-"))
if x % 2 == 0:
    print("the number",x," is composite ")
else :
    print("the number",x," is Prime")

enter the number:-5
the number 5 is Prime
```

Answer 13:- write a programme to find the string is palindrome or not

```
In [6]: name=input("enter the string:- ")
if name==name[::-1]:
    print("the string is palindrome")
else:
    print("the string is not palindrome")

enter the string:- racecar
the string is palindrome
```

Answer 14:-to find the third side of right angled triangled from two given sides

```
In [1]: import math
def third_side(a,b):
    c=math.sqrt(a**2+b**2)
    return c
a= float(input("enter the first side:- "))
b= float(input("enter the second side:- "))

c=third_side(a,b)
print("the third side of right angled triangle is:-",c)

enter the first side:- 5
enter the second side:- 6
the third side of right angled triangle is:- 7.810249675906654
```

Answer 15 :- Write a python program to print the frequency of each of the characters present in a given string

```
In [12]: string =input(" enter a string :- ")
freq={}
for char in string:
    if char in freq:
        freq[char]+= 1
    else:
        freq[char] = 1
print(" requency of character in the string :- ")
for key , value in freq.items():
    print(key, ":", value)

enter a string :- shubham
requency of character in the string :-
s : 1
h : 2
u : 1
b : 1
a : 1
m : 1
```