

PYTHON – WORKSHEET 1

1. C-%
2. B--0
3. C---24
4. A--2
5. D--6
6. A
7. A
8. C
9. A & C
10. A & B

11. Write a python program to find the factorial of a number.

```
x=int(input("Enter number:"))  
  
fact=1  
  
for i in range(1,x+1):  
    fact=fact*i  
  
print("Factorial number is:",fact)
```

12. Write a python program to find whether a number is prime or composite.

```
num=int(input("Enter a number:"))  
  
x=0
```

```
for i in range(2, num):  
    if (num % i ==0):  
        x = 1  
        break  
if (x==0):  
    print("The number is prime")  
else:  
    print("The number is not prime")
```

13. Write a python program to check whether a given string is palindrome or not.

```
x=input("Enter a string:")  
reverse=(x[::-1])  
if reverse==x:  
    print("Palindrome")  
else:  
    print("Not a Palindrome")
```

14. Write a Python program to get the third side of right-angled triangle from two given sides.

```
a=float(input("Enter the first angle:"))  
b=float(input("Enter the second angle:"))  
c=180-(a+b)  
print("The third angle of the triangle is:",c)
```

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

```
st=input("Enter any String")
```

```
ch=input("Enter search Character")
```

```
p=0
```

```
for i in st:
```

```
    if i==ch:
```

```
        p=p+1
```

```
print("Number of time found=",p)
```