PYTHON – WORKSHEET 1

1. C) %
2. B) 0
3. C) 24
4. A) 2
5. D) 6
6. C) the finally block will be executed no matter if the try block raises an error or not.
7. A) It is used to raise an exception.
8. C) in defining a generator
9. D) None of the above
10. A) yield   B) raise

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

```python
n = int(input('number is '))

f = 1

for i in range(1 , n+1):

   f = f*i

print('factorial of ',n,' is ',f)
```

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

```python
n = int(input('number is ' ))

for i in range(2, int((n+2)/1)):

   if n % i == 0 :

      print(n,' is Not prime number')

   break

else:

   print(n,' is  prime number')
```

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

```python
string = input()
```

```python
    if string == string[::-1]:

        print(string,' is palindrome')

    else:

        print(string,' is Not palindrome')
```

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

```python
 import math
a = int(input('a = '))
b = int(input('b = '))


c = math.sqrt(a**2 + b**2)
print('c = ',c)
```

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

```python
string = str(input())
for i in string:
   frequency = string.count(i)

print('frequency of '+str(i)+' is '+str(frequency))
```