PYTHON WORKSHEET 1

ANSWER 1: - %

ANSWER 2: - 0

ANSWER 3: - 24

ANSWER 4: - 2

ANSWER 5: - 6

ANSWER 6: - the finally block will be executed no matter if the try block raises an error or not.

ANSWER 7: - It is used to raise an exception.

ANSWER 8: - in defining a generator

ANSWER 9: - A) \_abc

C) abc2

ANSWER 10: - A) yield

B) raise

ANSWER 11: -

Factorial program

num=int(input("enter the number")

factorial = 1

if num < 0:

print("Sorry, factorial does not exist for negative numbers")

elif num == 0:

print("The factorial of 0 is 1")

else:

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

factorial = factorial\*i

print("The factorial of",num,"is",factorial)

ANSWER 12: -

num=int(input("enter the number"))

if num > 1:

for i in range(2, num):

if (num % i) == 0:

print(num, "is a composite number")

break

else:

print(num, "is a prime number")

else:

print(num, "is a composite number")

ANSWER 13: -

def isPalindrome(s):

return s == s[::-1]

s = str(input('enter the string'))

ans = isPalindrome(s)

if ans:

print("Yes")

else:

print("No")

ANSWER 14: -

from math import sqrt

print("Input lengths of shorter triangle sides:")

a = float(input("a: "))

b = float(input("b: "))

c = sqrt(a\*\*2 + b\*\*2)

print("The length of the hypotenuse is", c )

ANSWER 15: -

test\_str=str(input("enter the string: -"))

all\_freq = {}

for i in test\_str:

if i in all\_freq:

all\_freq[i] += 1

else:

all\_freq[i] = 1

print ("Count of all characters in GeeksforGeeks is :\n "

+ str(all\_freq))