1. Write a Python program to print "Hello Python"?

Ans.

import logging as lg

# importing logging so every function call of

lg.basicConfig(filename ='C:\\Users\\Home\\Johns python talent\\logging\\testlog1.log', level =lg.INFO , format = '%(asctime)s %(message)s')

def printing\_hello\_python():

print("Hello Python")

# defining a function to print our required string

try:

printing\_hello\_python()

lg.info("Function printing\_hello\_python has been called")

except exception as e:

print("There was an error called: ",e)

else:

pass

finally:

pass

1. Write a Python program to do arithmetical operations addition and division.?

Ans.

import logging as lg

lg.basicConfig(filename ='C:\\Users\\Home\\Johns python talent\\logging\\testlog1.log', level =lg.INFO , format = '%(asctime)s %(message)s')

def arithmetic\_operations():

print("Choose 1 if you want to perform Addition and CHoose 2 if you want Division")

user\_option = int(input("Enter option 1 or 2: "))

if user\_option == 1:

num\_1\_add = int(input("Enter your first number: "))

num\_2\_add = int(input("Enter your second number: "))

add = num\_1\_add+num\_2\_add

print("The addition of two numbers is:", add)

if user\_option == 2:

num\_1\_div = int(input("Enter your first number: "))

num\_2\_div = int(input("Enter your first number: "))

div = num\_1\_div/num\_2\_div

print("The division of two numbers is:", div)

print("If you want to perform more Addition and Division kindly call the function again")

try:

arithmetic\_operations()

lg.info("Function arithmetic\_operations() has been called")

except Exception as e:

print("There was an error during fucntion call: ", e)

else:

pass

finally:

pass

1. Write a Python program to find the area of a triangle?

Ans.

import logging as lg

lg.basicConfig(filename ='C:\\Users\\Home\\Johns python talent\\logging\\testlog1.log', level =lg.INFO , format = '%(asctime)s %(message)s')

def area\_of\_triangle():

base = int(input("enter the lenght of base of triangle in meters: "))

height = int(input("enter the length of height of triangle in meters: "))

area = 0.5\*base\*height

print("Area of triabgle is ",area,"sq.m")

try:

area\_of\_triangle()

lg.info("The function area\_of\_triangle() has been called")

except Exception as e:

print("There was an error during fucntion call: ", e)

else:

pass

finally:

print("The program has concluded")

1. Write a Python program to swap two variables?

Ans.

import logging as lg

lg.basicConfig(filename ='C:\\Users\\Home\\Johns python talent\\logging\\testlog1.log', level =lg.INFO , format = '%(asctime)s %(message)s')

def swap\_Two\_variables(first,second):

temp = second

second = first

first = temp

print("first number is", first)

print("second number is", second)

try:

swap\_Two\_variables(5,13)

lg.info("randint() has been called")

except Exception as e:

print("There was an error during fucntion call: ", e)

else:

pass

finally:

print("The program has concluded")

1. Write a Python program to generate a random number?

Ans.

import logging as lg

import random

lg.basicConfig(filename ='C:\\Users\\Home\\Johns python talent\\logging\\testlog1.log', level =lg.INFO , format = '%(asctime)s %(message)s')

try:

print(random.randint(1,100))

lg.info("randint() has been called")

except Exception as e:

print("There was an error during fucntion call: ", e)

else:

pass

finally:

print("The program has concluded")