#1. Why are functions advantageous to have in your programs?

"""Using functions, you do not need to repeat your codes, instead the same code can be called again and again with a simple function call.

This reduces the need of same code repetitively.

"""

#2. When does the code in a function run: when it's specified or when it's called?

"""The function is executed on function call"""

#3. What statement creates a function?

"""

def func\_name():

code..

……….

"""

#4. What is the difference between a function and a function call?

"""Function contains a block of code that can be run/executed on function call"""

"""

Example:

def func1(): # function

print("Hello")

func1() # function call

"""

#5. How many global scopes are there in a Python program? How many local scopes?

"""

In the example below, the scope of variable a is in the main body and so it has a global scope

In the example below, the scope of the variable a inside the function have local scope"""

"""

a = 11 # here a is the global variable

def func1():

a =12 # Here a is a local variable

print(a) # prints the value of a inside the function

func1()

print(a)# outside the function body so prints the global variable

"""

# Note : You can change the local variable to global by using keyword: global

"""

Example

a = 11

def func1():

global a =12 # variable a is a global variable

print(a)

func1()

print(a)

"""

#6. What happens to variables in a local scope when the function call returns?

""" The scope of the variable expires outside the function """

#7. What is the concept of a return value? Is it possible to have a return value in an expression?

"""

Any function can return a particular value or expression using the return keyword.

Example:

def add(a,b):

return a+b

X = add(5,6) # here X will contain the value returned by the function

"""

#8. If a function does not have a return statement, what is the return value of a call to that function?

"""None Type"""

#9. How do you make a function variable refer to the global variable?

"""Using a keyword: global"""

""" ex: global X"""

#10. What is the data type of None?

"""NOne Type"""

#11. What does the sentence import areallyourpetsnamederic do?

"""This statement imports module : areallyourpetsnamederic

This will allow you to use all the functions and libraries of the module"""

#12. If you had a bacon() feature in a spam module, what would you call it after importing spam?

"""import spam

spam.bacon()"""

#13. What can you do to save a programme from crashing if it encounters an error?

""" Use exception handling"""

#14. What is the purpose of the try clause? What is the purpose of the except clause?

"""

Try and Except are the keywords of exception handling.

Try : Contains the logic for a risky code.

Except: It handles an error/exception occurred during code execution

"""