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

1. If we need to a task repeatedly in the program, we don’t need to write a set of code every time instead we can create a function, and call that function to perform required task whenever required

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

A) when it is called

3. What statement creates a function?

A) def statement, for eg to create a function divide we write- def divide():

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

A) function- a block of code to perform a required operation and return output.

Function call is an instruction to interpreter to run the function

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

A) there is only one global scope in a program and whenever we call a function we have a local scope associated with it

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

A) when function call returns, local scope is destroyed and variable names are forgotten

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

A) return statement stops the execution of function and after that statements are not executed. Yes , it will return the result of expression.

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

A) None

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

A) using global keyword, global x, it will refer to global variable x

10. What is the data type of None?

A) NoneType

11. What does the sentence import areallyourpetsnamederic do?

A) it will import this (areallyourpetsnamederic) into our code for use.

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

A) spam.bacon()

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

A) we can save our program, from crashing through exception handling

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

A) try clause is where your block of code is executed/tested for error and except clause is used ot handle those errors incurred in try block