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

Ans : for simplification of 1000 lines of codes, we can split the code into pieces using functions and call those functions whenever required

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

Ans: when its called

3. What statement creates a function?

And: def function()

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

Ans: function definition is the logic or the statements need to performed , where as function call will represents the function and excute the function definition

exa: def function(): #fucntion definition

print(“hello”)

function() #function call

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

Ans: There are global scope and local scope, if we write a variable inside any function, its called local scope, outside the function called global scope, once the function is executed we cannot access that variable outside that function, but global scope vauables can be accessed anywhere

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

Ans: local scope variables are destroyed, we cannot access outside

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

Ans: return value after function is executed the result will be given as output from the function

Yes, return can be used within expression

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

Ans: without return, none will be returned

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

Ans: by using keyword global

10. What is the data type of None?

Ans: NoneType

11. What does the sentence import areallyourpetsnamederic do?

Ans: it does not refer to any module in python

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

Ans: import spam

Spam.bacon()

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

Ans : Try and catch

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

Ans: Try clause will take the execute the code , if any error happened in that line , the program wont stop , we can write our own error in except and the program continues to next line without stopping