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

ANWERs:A function help us to reduce redundancy in code in other word it helps to prevent programmer to write code with same logic multiple times. It helps in reducing the no of lines in a code and make it easier for programmer to maintain the code.

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

ANSWER:A function is as self contained module of code which run whenever the function named is invoked any where within the same program. A function is specified in a program when there is need to execute same type of business logic multiple times.

3. What statement creates a function?

ANSWER: def <functionname>(): and def \_\_<functionname>(): statements create a public and private function respectively.

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

ANSWER: A function is self contained module of code which is invoked from anywhere in the programm by a function call.

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

ANSWER: There is only 1 GLOBAL SCOPE and multiple local scopes

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

ANSWER: The local variables loose the value once function call is returned and the memory location is available and free to be used by program control.

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

ANSWER:A return statement in a function stops the execution of program and returns the output of code to caller. Yes we can have a return value in a experession.

Shape, rectangle

Description automatically generated with medium confidence

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

ANSWER: The return value is NONE.

Graphical user interface, text, application

Description automatically generated

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

ANSWER: Declare global <variable name> before using the variable inside a function.

Shape, rectangle

Description automatically generated with medium confidence

10. What is the data type of None?

ANSWER: Datatype of None is NoneType

11. What does the sentence import areallyourpetsnamederic do?

ANSWER:It imports the class areallyourpetsnamederic into the class where import statement is placed.Using this methods inside the class can be accessed by creating a class object.

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

ANSWER: import spam

Object=spam.classname()

Object.method()

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

ANSWER:We need to implement try except and final statement inorder to prevent program from crashing due to errors.

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

The try block is used to check some code for errors i.e the code inside the try block will execute when there is no error in the program.Incase there is exception while executing code inside try block then except will evaluate the error thereby preventing the application from crashing due to error.