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

Ans:- functions made coding easier for complex programs , save repetitive code and also reduce need for duplicate code

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

Ans:-

3. What statement creates a function?

Ans:- A statement that executes a function. It consists of the name of the function followed by a list of arguments enclosed in parentheses.

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

Ans:-  function is a block of code that does a particular operation and returns a result and function call is code used to pass control to function.

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

Ans:- there is only one global scope in python and four local scope

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

Ans:- A local variable retains its value until the next function is called and

Local variable become undefined after the function call completes the local variable can be used outside the function anytime after function call completes.

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

Ans:- A **return** statement is used to end the execution of the function call and **returns** the result to the caller. A Python function will always have a return value. yes it is possible have a return value in an expression.

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

Ans:- print()

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

Ans:-

10. What is the data type of None?

Ans:- data type none is of Nonetype class and it stores null/zero value

11. What does the sentence import areallyourpetsnamederic do?

Ans:-

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

Ans:- spam.bacon()

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

Ans:- with help of exceptions and assertions

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

Ans:- Try block lets you test a block of code for error and expect block let you handle error