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

Ans Functions **reduce the need for duplicate code**.It helps to reuse the existing code.

This makes programs shorter, easier to read, and easier to update.

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

Ans: A function executes start when the function called.

3. What statement creates a function?

Ans: **The “def” keyword** is a statement for creating a function.

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

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| --- | --- |
| Function | Function call |
| A function consist of a piece of code to execute a particular task. | A function call is the code used to pass control to a function. |

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

There are only one global and local scopes in python program.

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

The life of the variable gets terminate.

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

**A return is a value that a function returns to the calling script or function when it completes its task.**

Yes .It is possible to return a 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?

If no return statement appears in a function definition,The control automatically returns to the calling function.The return value of the called function is undefined

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

Use the keyword global to declare the variable .

10. What is the data type of None?

**None** is the special **data type** in Python. It just represents the absence of the value.

11. What does the sentence import areallyourpetsnamederic do?

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

spam

spam.bacon()

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

An error encounters in a program skip the remaining code then the control is passed to the except block.

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

If the programmer in suspect with the code of testing we can encapsule inside the try block and if any error occurs the exception came into picture and catch it.