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

Ans= Function reduce the need of duplicate code ,it makes program shorter ,easier to read and update.

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

Ans= The code in a function executes when the function is called ,not when the function is defined.

Function is a user define piece of code,it work; only when its called ,its help in reusability of code.

3. What statement creates a function?

Ans= Basically def statement is used to create a function ,def means define and

It is used to create a function, def harmonic (): ,where harmonic is function.

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

Ans= Function is a block of code for example-

**def add(a ,b):**

**return a + b** , this is a function ,this function is assigned with variable.

**b=add(5,6)** this is a function call to control a code.

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

Ans= There are only one python scope per program execution ,this scope remain in existence

Until the program terminates and all its names are forgotten .otherwise next time you run the program.

**Global variable can be used anywhere in the program.**

**Local variable can only used locally inside a program.**

Local scope= a variable is only available from inside the region it is created,this is also called scope.

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

Ans=They are discarded from the memory and can not be accessed from outside of the scope of the function.

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

Ans= return statement usually specifies the end of a function

Yes we can return a calue 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 = None type

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

Ans = By defining it as global.

10. What is the data type of None?

Ans=none data type is a inbuilt function they get the only one none object and either get the null value.

a = None

type(a) ------> get the value is none type.

11. What does the sentence import areallyourpetsnamederic do?

Ans= it will import the library and its functions.

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= exceptional handling:

By using try and except block,in try block code is initially run and get the except block to find the error as e.

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

Ans= It lets you to execute a block of code for errors,except block lets us to handle the error.