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

Ans1 – If we need a particular logic to use multiple times in our code, then instead of writing that logic multiple times we can created function to reduce the need for duplicate code. This will make programs easy to read, shorter and easy to update whenever needed.

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

Ans2 – The code in a function run when it is being called.

3. What statement creates a function?

Ans3- the def statement creates a function. Eg( def sum)- Here sum is a function

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

Ans4 – Function consists of def statement which has a code inside its clause whereas function call executes the code present inside def clauses whenever called and evaluates the return value.

Eg- def sum(a,b): # def statement with function as sum

Return a+b

Sum(1,2) #function call

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

Ans5 – The is only global scop present in python and local scope is created whenever a function is called.

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

Ans6- When the function call returns , the local scope become undefined or destroyed its because all the local variables in it are forgotten.

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

Ans7 – A function when called evaluates the return value. Yes return value can be use as part of expression.

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

Ans8 – If a function does not have a return statement then the return value of a call to that function is None.

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

Ans9 – To make a function variable refer to global variable we force or declare that variable as global keyword.

10. What is the data type of None?

Ans10 – The data type of None is NoneType.

11. What does the sentence import areallyourpetsnamederic do?

Ans11 – The import statement will imports a module with name as **areallyourpetsnamederic**  to be used in code. But no such module exists in python.

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

Ans12 – we can call that function by giving spam.bacon().

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

Ans13 – To handle errors we usually use Try except. For the above question to save programme from crashing if it encounters and error we will place the line of code that might cause an error inside a Try clause.

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

Ans14 – The line of code that might cause an error is placed in Try clause where to handle errors the line of code that executes if the error happens placed in Except clause.