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

Ans. Functions make a program more readable.It makes coding more easier with a single call, also a function can be reutilized a number of times once it is defined.

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

Ans. A code in a function runs when it is called.

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3. What statement creates a function?

Ans. We use def keyword to create a function, and then write the function identifier(name) followed by a paranthesis and a colon.

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

Ans. A function is a block of code that performs a specific task and it may or may not return a value. And a function call is an expression that invokes a function. We write the function name along with the paranthesis(arguments in it if required) to execute a function.

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

Ans. There is one global scope and one local scope is created when a function is called.

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

Ans. The local variables are automatically destroyed when the function call terminates.

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

Ans. A return value is the result that we get after a function execution. And return statement can be used with an expression like other values.

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

Ans. A function returns a none, when it does not have a return statement.

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

Ans. Normally the variable that is defined outside the function is global. If we need to change a global variable from a function, we can use the keyword global along with the variable.

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10. What is the data type of None?

Ans. None comes under NoneType, its a datatype of it's own.

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11. What does the sentence import areallyourpetsnamederic do?

Ans. The import statment import a module named areallyourpetsnamederic.

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

Ans. We can call it as spam.bacon()

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

Ans. We have to do Exception handling here to protect the programme from crashing. We have to write the expected error code in try block.

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

Ans.The code which is expected to have error goes in try block and the code which contains error after a run will go to except block to handle the error.