In [ ]:
```
1. Why are functions advantageous to have in your programs?
Functions have following advantages as mentioned below :

    1. Makes the code reusable
    2. Avoids duplicacy of codes
    3. We can debug the code easily by checking the functions separately
    4. It is easier to update the code if we have used functions
    5. Can be used as a package/module
```

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

    Defining or specifying a function does not  make the code to run , It runs/executes
```

In [ ]:
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3. What statement creates a function?

    Header and Body
    Header contains the def keyword , followed by the name of the function and a list o
    Body contains one or more Python statements, each indented similarly
```

In [ ]:
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4. What is the difference between a function and a function call?

A function is a procedure to achieve a specific result while function call is using
this function to achive that result.
```

In [ ]:
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5. How many global scopes are there in a Python program? How many local scopes?

A variable created in the main body of the Python code is a global variable and belongs
There can be as many as variable under global scope

A variable created locally inisde a function is a local variable which is accesible ins

There can be as many as local scopes in the function as per requirement
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In [ ]:
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6. What happens to variables in a local scope when the function call returns?

Variables are destroyed once the function call returns
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In [ ]:
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7. What is the concept of a return value? Is it possible to have a return value in an e

A return is a value that a function returns to the calling  function when it completes

return value can be in any data type form like int , string , Boolean and it can be fur
in any other expressions/functions
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In [ ]:
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8. If a function does not have a return statement, what is the return value of a call t

it returns none
```

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In [ ]: 9. How do you make a function variable refer to the global variable?

        By using the global keyword before the vriable we can refer to it
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In [ ]: 10. What is the data type of None?

        None is a data type of its own (NoneType)
```

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In [ ]: 11. What does the sentence import areallyourpetsnamederic do?

        It gives Module Error

        ModuleNotFoundError: No module named 'areallyourpetsnamederic'
```

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In [ ]: 12. If you had a bacon() feature in a spam module, what would you call it after importi

        spam. bacon()
```

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

        We can use Exception handling , Try and except statements
```

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In [ ]: 14. What is the purpose of the try clause? What is the purpose of the except clause?

         try block allows you to check a block of code for errors whereas
        except block enables you to handle the exception with a user defined function.
```