

In [1]: *## 1. why are functions advantageous to have in your programs?*
 Functions reduce the need **for** duplicate code. This makes programs shorter, easier to

File "<ipython-input-1-1cb9db99b17f>", line 2
 Functions reduce the need for duplicate code. This makes programs shorter, easier to read, and easier to update
 ^
SyntaxError: invalid syntax

In [2]: *## 2. when does the code in a function run:when its soecified or when it's called?*
 the code **in** a function can run when its called.

File "<ipython-input-2-19c3f5340ffa>", line 2
 the code in a function can run when its called.
 ^
SyntaxError: invalid syntax

In [3]: *## 3.what statement creates a function?*

```
def func():
```

File "<ipython-input-3-732e7f0cbf98>", line 3
 def func():
 ^
SyntaxError: unexpected EOF while parsing

In [4]: *## 4. what is the difference between a function and function call?*
 A function **is** procedure to achieve a particular result **while** function call **is** using

File "<ipython-input-4-a20a6d958c6e>", line 3
 A function is procedure to achieve a particular result while function call is using this function to achive that task.
 ^
SyntaxError: invalid syntax

In [5]: *## 5. how many global scopes are present in python program?how many local scopes?*
 There **is** one **global** scope, **and** a local scope **is** created whenever a function **is** calle

File "<ipython-input-5-1e0627fbfb5e>", line 2
 There's only one global Python scope per program execution. This scope remains i
 n existence until the program terminates.
 ^
SyntaxError: EOL while scanning string literal

In [6]: *## 6 . what happens to variables in a local scope when the function call returns?*
 When a function returns, the local scope **is** destroyed, **and** all the variables **in** it a

File "<ipython-input-6-3c2c683c1394>", line 2
 By default, the assignment statement creates variables in the local scope. So th
 e assignment inside the function does not modify the global variable a - it creates
 a new local variable called a ,
 ^
SyntaxError: invalid syntax

In [7]: *### 7. what is the concept of return value ? is it possible to have a return value i*
 A **return** value **is** the value that a function call evaluates to. Like any value,
 a **return** value can be used **as** part of an expression.

```
File "<ipython-input-7-f2703d28ee4e>", line 2
    A return statement is used to end the execution of the function call and "return
    s" the result
    ^
SyntaxError: invalid syntax
```

In [8]: *## 8. if a function does not have a return statement , what is the return value of a*
If there is no return statement for a function, its return value is None.

```
File "<ipython-input-8-451060d84feb>", line 3
    If no return statement appears in a function definition, control automatically r
    eturns to the calling function
    ^
SyntaxError: invalid syntax
```

In [9]: *## 9.how do you make a function variable refer to a global variable?*
A global statement will force a variable in a function to refer to the global variab

In [10]: *## 10. data type of NONE?*
none data type

```
File "<ipython-input-10-abb169360ba6>", line 2
    none data type
    ^
SyntaxError: invalid syntax
```

In [11]: *## 11.what does the sentence import areallyourpetsnamederic do?*
That import statement imports a module named areallyourpetsnamederic.

```
File "<ipython-input-11-dbb5cb88033a>", line 2
    That import statement imports a module named areallyourpetsnamederic.
    ^
SyntaxError: invalid syntax
```

In [12]: *## 12.if you had a bacon() feature in a spam module , what would you call it after i*
This function can be called with spam.bacon().

```
File "<ipython-input-12-f63ab2844db3>", line 2
    This function can be called with spam.bacon().
    ^
SyntaxError: invalid syntax
```

In [13]: *## 13. what can you do to save a program from crashing if it encounters an error?*
Place the line of code that might cause an error in a try clause.

```
File "<ipython-input-13-b09754ec8346>", line 2
    Place the line of code that might cause an error in a try clause.
    ^
SyntaxError: invalid syntax
```

In []: *## 14.what is the purpose of try clause ? what is the purpose of except class?*
The code that could potentially cause an error goes in the try clause.
The code that executes if an error happens goes in the except clause.