

# Theory Based Assessment (TBA)

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Define Function. Explain Anonymous function with suitable example.

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Q Define Function. Explain Anonymous function with suitable example.

A function is a block of code that performs a specific task. Functions help to break down large programs into smaller, more manageable pieces, making them easier to read, test and maintain.

A function takes inputs in the form of arguments, performs some operations on them and then returns a result.

Eg: 

```
def addition (num1, num2):  
    return num1 + num2  
addition (6, 5)
```

To access the block of a function, it must be called / invoked.

## ANONYMOUS FUNCTIONS

An anonymous function, also known as lambda function, is a function that does not have name. It is defined using the "lambda" keyword and can take any number of arguments, but can have only one expression. The result of the expression is automatically returned by the function.

Eg - multiply = lambda x: x \* x