Mutable And Immutable Data Types

Lamptey Joshua Nii Odartei
Benjamin Ofori
Moses Kukubor
Julius Avinu-Blaboe
David Ayamba

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Mutable Data Types

Mutable data types are that which can be changed;simply put you can make changes to its content.

You can directly alter the contents stored in data: type variable.

Example:list dictionaries sets and user define data classes.

Code Demonstration

creating a list called items
```
items = ['apples','toys','shoes','undergarment']
print(items)
print(id(items))
items [3] = 'devices'
print(items)
print(id(items))
```

Immutable Data Types

Immutable data types are the type which cant be changed ;simply can't make direct changes to the values stored in the variable of the specified data type.
that is items assigned to a specific memory location cant be changed.
example :int, float ,decimal, bool,string tuple range etc .

Code Demonstration

```
creating a tuple called items
items = ('apples','toys','shoes','undergarment')
print(items)
print(id(items))
items [3] = 'devices'
print(items)
print(id(items))
```