

Python

Variables & Constants

Chapter 7



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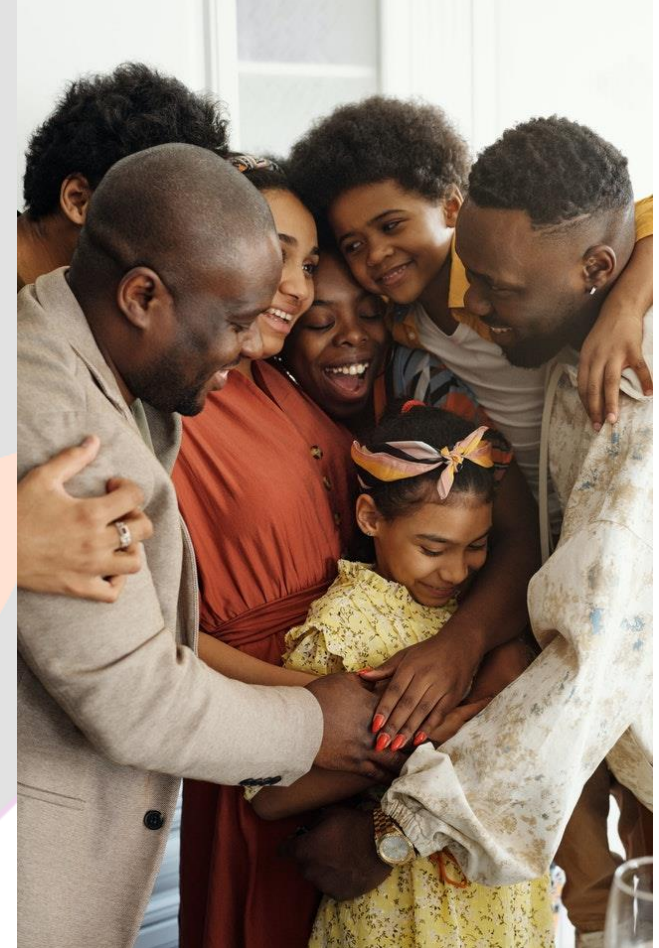
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Doubts

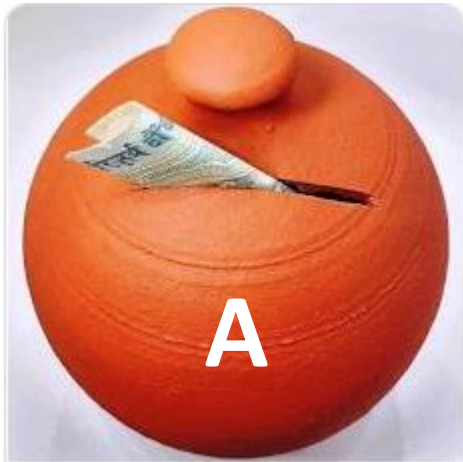
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- Link in the description
- Clear your doubts chatting with me

Relations – New generation vs old generation

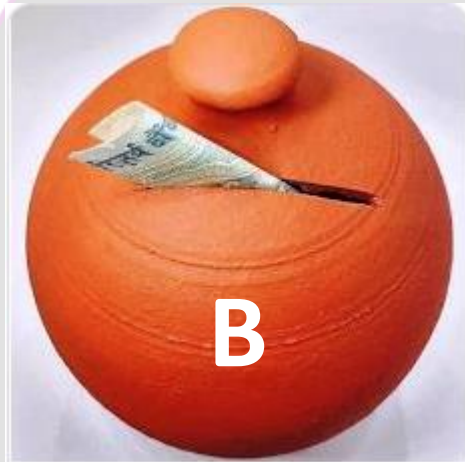


Money pots



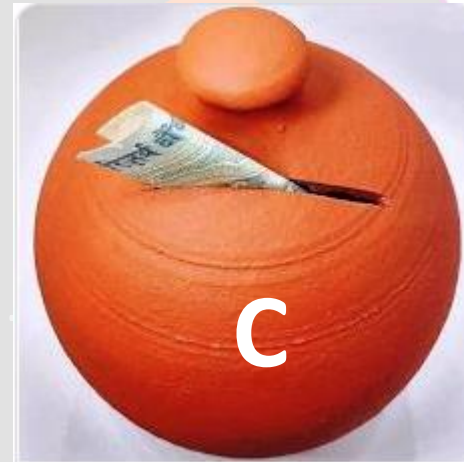
A

200



B

100



C

600



D

40

$A + B + C + D$

total = $A + B + C + D$

Number of guides = total / guide cost

1 guide cost = 110

Variable

- Variables are used to store data(values)
- When you declare a variable, it occupies some space in the memory
- Variable – can be changed at any time...

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Declaring a variable

- In c, c++, Java etc, you have to set the data type of the variable
- Java:

int marks = 450;

String personName = "Suresh"

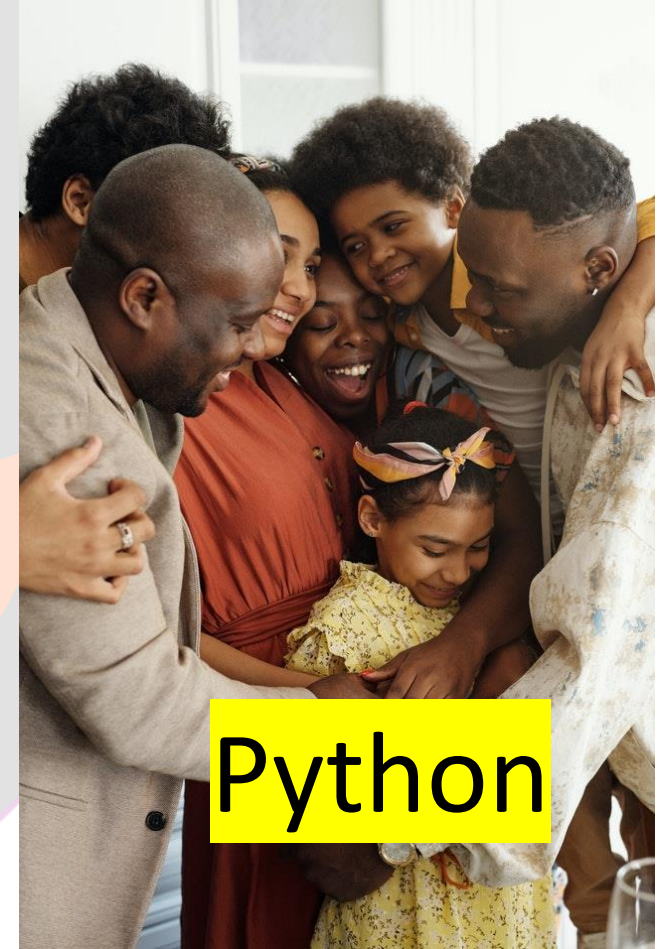
float percentage = 85.7

Note: **No need to set** the data type of the variable in **python**

Relations – New generation vs old generation



Java, C, C++



Python

Dynamic typed / type inference language

Multiple variable assignments

- `a = 10`

`b = 10`

`c = 10`

Note:

1. We don't use it most of the time
2. Few points to keep in mind while declaring variables
3. `type(identifier)`

Multiple assignment:

`a = b = c = 10`

`print(a + b + c)`

Points to keep in mind while declaring variables

- Variable names **cannot start with numbers**
- Variable names **cannot have special characters**
- Variable names **cannot be same as keywords**
- Variable names **should be written in camelCase(good to use)**

Camel

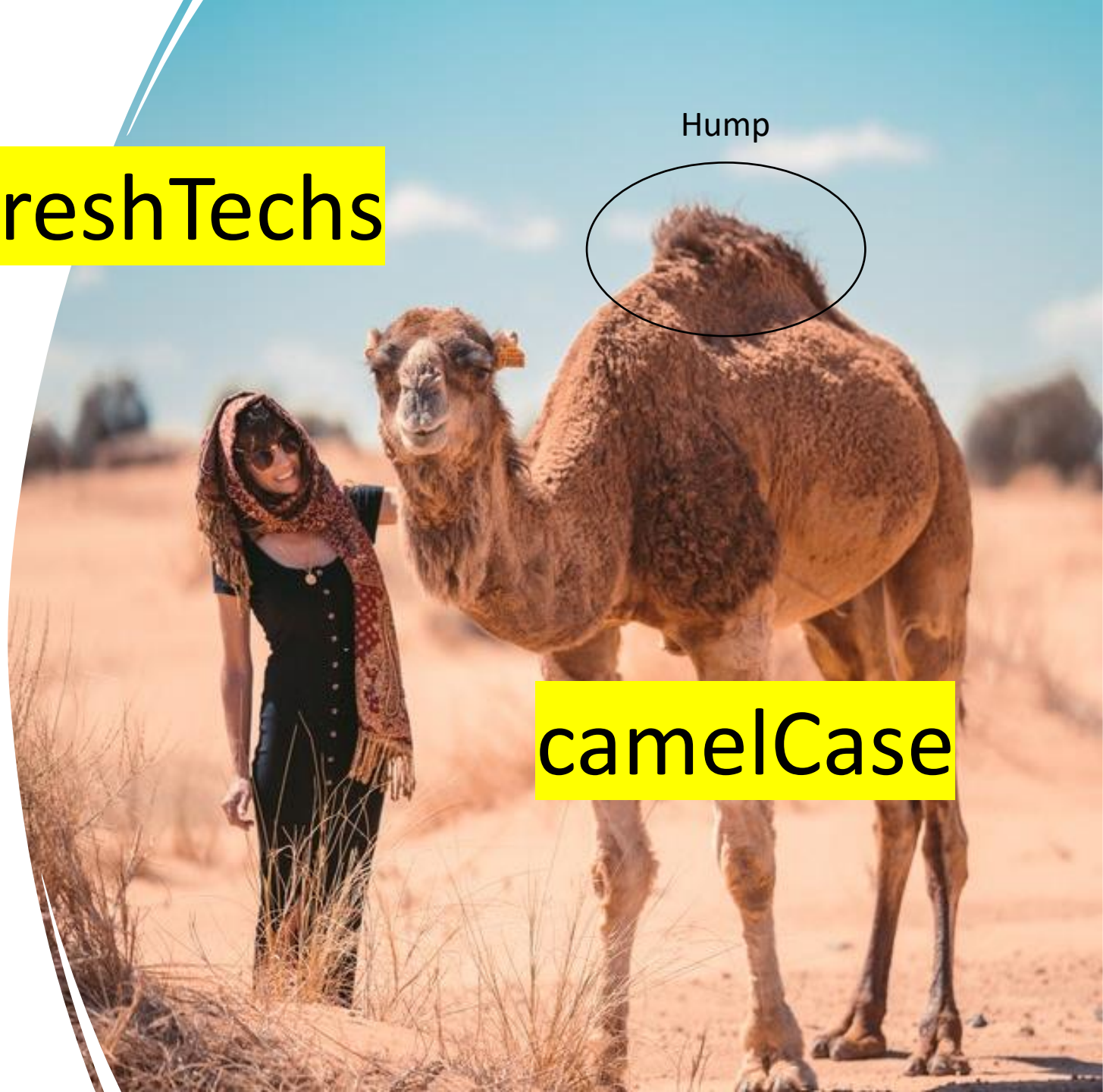
- **camelCase** is a naming convention in which the **first letter of each word in a compound word is capitalized, except for the first word**

Ex: totalMarks, personName, cityAddress

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Hump

camelCase



Constants

- Which will not change once assigned

```
final String CHANNEL_NAME = "Suresh techs";
```

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- How do we declare constants in python?
- We cannot declare a variable/identifier as constant in python
- But the naming convention is use **capital letters**

What next - Let's look at interview questions

- Keywords & Identifiers
- Comments & Statements
- Variables

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PYTHON

చిన్న ప్రో చిట్టికలో వచ్చేస్తా

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