Variables & Data Types

Scenario

Salary List

Scenario

Salary List

₹1M

₹1.5M

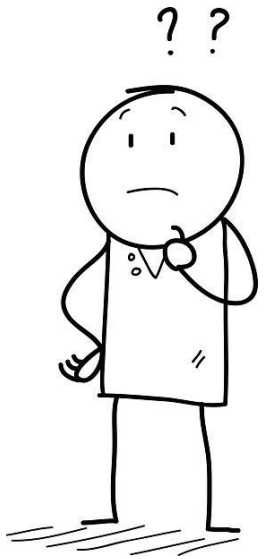
₹1.8M

₹0.9M

₹1.6M

₹2M

Scenario



Salary List

₹1M

₹1.5M

₹1.8M

₹0.9M

₹1.6M

₹2M

Scenario

Salary List

Ramesh - 1M

Suresh – 1.5M

Krishna – 0.9M

Rahul – 1.6M

Swati – 1.8M

Sam – 2M

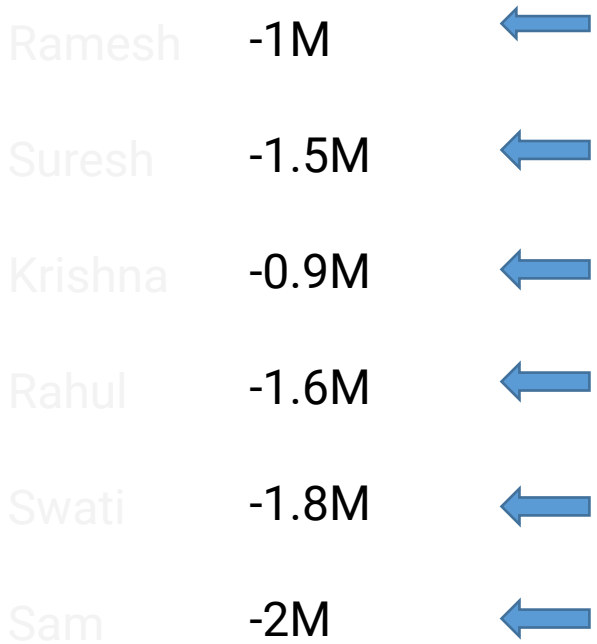
Variables

- Ramesh -10L
- Suresh -15L
- Krishna -9L
- Rahul -16L
- Swati -8L
- Sam -20L

What are Variables?

Variables are names bounded to objects.

Variables



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Variables

Variables	
Ramesh	-1M
Suresh	-1.5M
Krishna	-0.9M
Rahul	-1.6M
Swati	-1.8M
Sam	-2M

What are Variables?

Variables are names bounded to objects.

Variables in Python

Variable Assignment

Variables in Python

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- **Variable_name = Value**

```
A = 5
B = 10
```

Variables naming rules in Python

- **Python is case-sensitive**

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`9sam =5` is invalid `sa9m =5` is valid

Data types in Python

int – Integer numbers,
Eg:- 4, -5 etc.

bool – Boolean values,
Eg:- True and False

float – Decimal numbers,
Eg:- 4.5, -6.7 etc.

str – Strings,
Eg:- “Python”

How do variables work?

```
a = 10
b = a
a = 6
```

What is the value of a and b?

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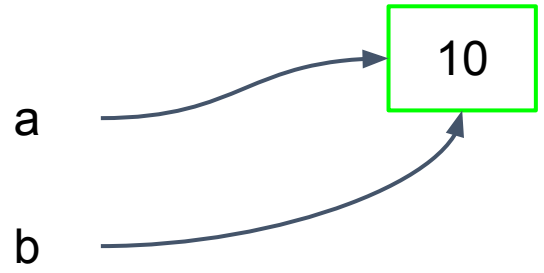

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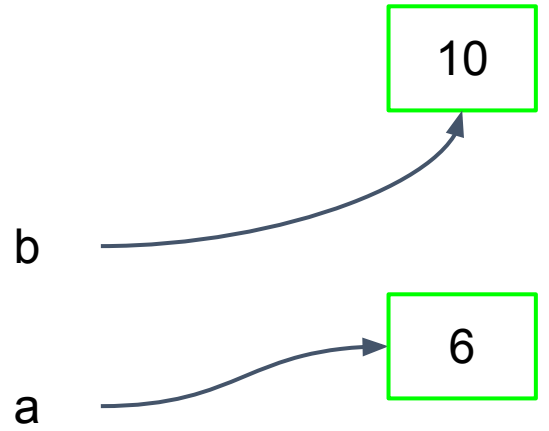

What is the value of a and b?

Ans. a is 6 and b is 10