Python

Variables

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Variables

Legal variable names

```
myvar = "Hello"
my_var = "world"
_my_var = "John"
myVar = 55
MYVAR = -55
myvar2 = 123
```

Variables

Illegal variable names

2myvar = "John"

my-var = "world"

my var = "234"

Python

Data Types

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Data Types

1) Text Type: -----   `str`

2) Numeric Types: -----   `int,` `float,` `complex`

3) Sequence Types: -----   `list,` `tuple,` `range`

4) Mapping Type: -----   `dict`

5) Set Types: -----   `set,` `frozenset`

6) Boolean Type: -----   `bool`

Data Types

Numeric Type

int - integer

float

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Numeric Type

int - integer   x = 5 , y = -4

float   x = 2.4 , y = 2.3

Data Types

Text Sequence Type

str - string

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Data Types

Text Sequence Type

str - string   name = 'Ben'

Boolean Type

bool

Boolean Type

True or False

Functions

type()

Comments

’"genre"’

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type

If single argument `type(obj)` is passed, it returns the type of given object.

Functions

```
x = 5
print(type(5))
```

<class 'int'>

```
y = 4.5
print(type(y)
```

<class 'float'>

```
name = 'John'
print(type(name))
```

Upper lower

upper() -- All letter upper
lower() -- All letter lower
name = "Ben"
name = name.upper()
name = name.lower()

Homework

1. Write a python program which have two input and compute the area of a rectangle.

2. Write a python program which have one input and compute the area of a square.

3. Create 20 legal variables. for example: country ="Armenia"

4. Write a python program which will check the type of your variables.(int, str , float , bool)

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