



AUES



Ғұмарбек Дәукеев атындағы
Алматы энергетика және байланыс университеті

Қосымшаларды құрудың заманауи технологиялары

Python программалау тілі. Деректер түрі.

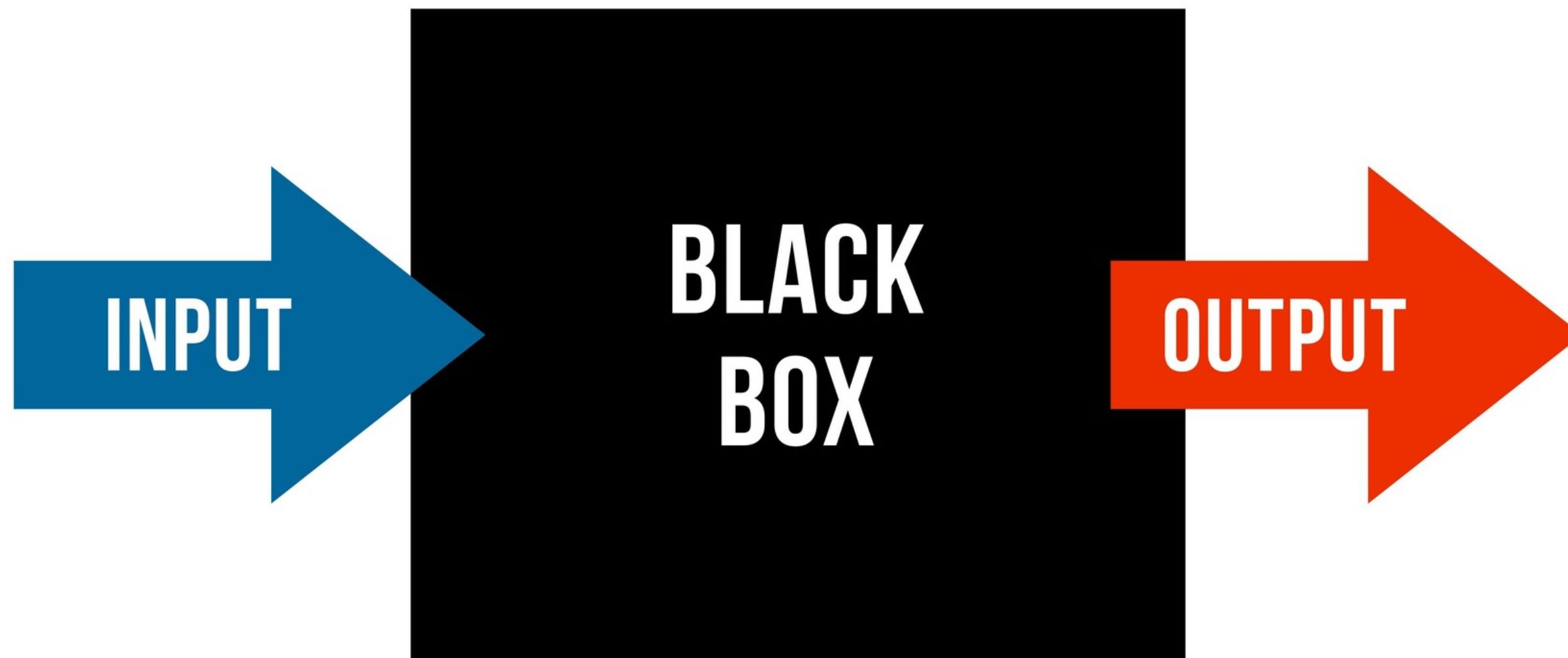
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Data Types -----> Деректер түрі



Прграммалау



Python Data Types

Numbers

Python Data Types

Numbers

```
graph TD; Numbers --> Integral; Numbers --> NonIntegral[Non-Integral]
```

Integral

Non-Integral

Python Data Types

Numbers

Integral

Non-Integral

Integers

Python Data Types

Numbers

Integral

Non-Integral

Integers

Booleans

Python Data Types

Numbers

```
graph TD; Numbers[Numbers] --> Integral[Integral]; Numbers --> NonIntegral[Non-Integral]; Integral --> Integers[Integers]; Integral --> Booleans[Booleans]; NonIntegral --> Floats[Floats];
```

Integral

Non-Integral

Integers

Floats

Booleans

Python Data Types

Numbers

Integral

Non-Integral

Integers

Floats

Booleans

Complex

Python Data Types

Numbers

Integral

Non-Integral

Integers

Floats

Booleans

Complex

Decimals

Python Data Types

Numbers

Integral

Non-Integral

Integers

Booleans

Floats

Complex

Decimals

Fractions

Python Data Types

Collections

Integral

Non-Integral

Python Data Types

Collections

Sequences

Sets

Mappings

Python Data Types

Collections

Sequences

Mutable

Immutable

Python Data Types

Collections

Sequences

Mutable

Immutable

Lists

Python Data Types

Collections

Sequences

Mutable

Immutable

Lists

Tuples

Python Data Types

Collections

Sequences

Mutable

Immutable

Lists

Tuples

Strings

Python Data Types

Collections

Sequences

Sets

Mappings

Python Data Types

Collections

Sequences

Sets

Mutable

Python Data Types

Collections

Sequences

Sets

Mutable

Immutable

Python Data Types

Collections

Sequences

Sets

Mutable

Immutable

Sets

Python Data Types

Collections

Sequences

Sets

Mutable

Immutable

Sets

Frozen Sets

Python Data Types

Collections

Sequences

Sets

Mappings

Python Data Types

Collections

Sequences

Mappings

Python Data Types

Collections

Sequences

Mappings

Dictionaries

Python Data Types

Callables

Sequences

Python Data Types

Callables

Sequences

User Defined Functions

Python Data Types

Callables

Sequences

User Defined Functions

Built-In Functions
(len(), open())

Python Data Types

Callables

Sequences

User Defined Functions

Built-In Functions
(len(), open())

Built-In Methods
(mylist.append(x))

Python Data Types

Callables

Sequences

User Defined Functions

Built-In Functions
(len(), open())

Built-In Methods
(mylist.append(x))

Instance Methods

Python Data Types

Callables

Sequences

User Defined Functions

Built-In Functions
(len(), open())

Built-In Methods
(mylist.append(x))

Instance Methods

Generators

Python Data Types

Callables

Sequences

User Defined Functions

Classes

Built-In Functions
(len(), open())

Built-In Methods
(mylist.append(x))

Instance Methods

Generators

Python Data Types

Singletons

Sequences

Python Data Types

Singletons

Sequences

None

Python Data Types

Singletons

Sequences

None

NotImplemented