AIBridge

Lecture 3

Lecture Outline

What is a function?

Built-ins

Importing

Function defining

What is a function?

What is a function?
print()

Lecture Outline

What is a function?

Built-ins

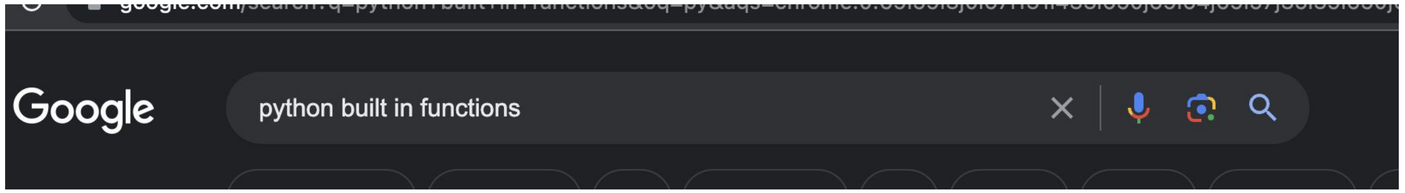
Importing

Function defining

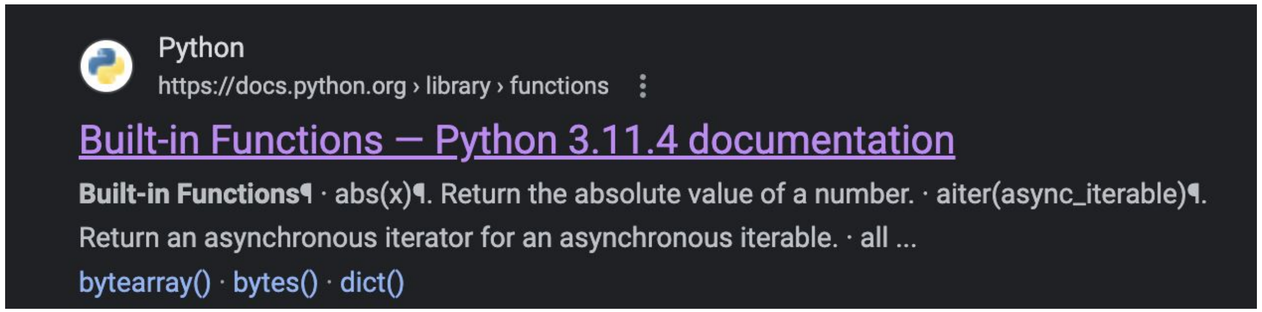
Built-ins

https://docs.python.org/3/library/functions.html

1



2



Lecture Outline

What is a function?

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Function defining

Importing

Importing

```
import sklearn
from sklearn import linear_model
import sklearn as skl
```

Lecture Outline

What is a function?

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Function defining

Function defining

Arguments passed

```
def function_name(arg1, arg2, ...):
  # do stuff here
```

Function defining return

Arguments passed

```
def function_name(arg1, arg2, ...):
  # do stuff here
  return data
```

Function defining return

n=

```
def factorial(n):
  total = 1
  for i in range(1, n+1):
    total *= i
  return total

# some code later
factorial(5)
```

(=120)

Function defining return

```
def factorial(n):
  total = 1
  for i in range(1, n+1):
    total *= i
  return total

# some code later
factorial(n=5)
```

(=120)

An alternative…

Function defining Default

Assumes default

```
def factorial(n=6):
  total = 1
  for i in range(1, n+1):
    total *= i
  return total
```

(=720)

```
# some code later
factorial()
```