

Module-01, Python Crash Course

Python Module and Recap

Dostdar Ali
Instructor

Data science and Artificial Intelligence
3-Months Course
at
Karakaroum international Univrsity

December 25, 2023



Table of Contents

1 Python Module

2 Revising

3 Interview Questions

4 Answers



Module

Definition

In Python, a module is a file containing Python definitions and statements. The file name is the module name with the suffix ".py" appended. For example, if you have a file named "example.py," you can import the definitions and statements in that file as a module using the import statement.

Example

```
example.py  
def say-hello():  
    print(" Hello from the example module!")
```

```
main-script.py  
import example  
example.say-hello()
```



Recap

Now, we just revise the whole working on the first module python crash course very quickly below;

- Python data types
- Conditional statements
- Functions



Recap

Now, we just revise the whole working on the first module python crash course very quickly below;

- Python data types
- Conditional statements
- Functions



Recap

Now, we just revise the whole working on the first module python crash course very quickly below;

- Python data types
- Conditional statements
- Functions



Questions

- What is difference between tuple and list in python?
- What is difference between list and Dictionary data types in python?
- How will you concatenate multiple strings together in python?
- What is use of slicing in python?
- What is lambda expression in python?
- What is difference between append() and extend() functions of a list in python?
- What is difference between split() and slicing in python?
- What is the output of following code in python?
name="Dostdar Ali"
print name[:6]+name[6:]



Questions

- What is difference between tuple and list in python?
- What is difference between list and Dictionary data types in python?
- How will you concatenate multiple strings together in python?
- What is use of slicing in python?
- What is lambda expression in python?
- What is difference between append() and extend() functions of a list in python?
- What is difference between split() and slicing in python?
- What is the output of following code in python?
name="Dostdar Ali"
print name[:6]+name[6:]



Questions

- What is difference between tuple and list in python?
- What is difference between list and Dictionary data types in python?
- How will you concatenate multiple strings together in python?
- What is use of slicing in python?
- What is lambda expression in python?
- What is difference between append() and extend() functions of a list in python?
- What is difference between split() and slicing in python?
- What is the output of following code in python?
name="Dostdar Ali"
print name[:6]+name[6:]



Questions

- What is difference between tuple and list in python?
- What is difference between list and Dictionary data types in python?
- How will you concatenate multiple strings together in python?
- What is use of slicing in python?
- What is lambda expression in python?
- What is difference between append() and extend() functions of a list in python?
- What is difference between split() and slicing in python?
- What is the output of following code in python?
name="Dostdar Ali"
print name[:6]+name[6:]



Questions

- What is difference between tuple and list in python?
- What is difference between list and Dictionary data types in python?
- How will you concatenate multiple strings together in python?
- What is use of slicing in python?
- What is lambda expression in python?
- What is difference between `append()` and `extend()` functions of a list in python?
- What is difference between `split()` and slicing in python?
- What is the output of following code in python?

```
name="Dostdar Ali"  
print name[:6]+name[6:]
```



Questions

- What is difference between tuple and list in python?
- What is difference between list and Dictionary data types in python?
- How will you concatenate multiple strings together in python?
- What is use of slicing in python?
- What is lambda expression in python?
- What is difference between append() and extend() functions of a list in python?
- What is difference between split() and slicing in python?
- What is the output of following code in python?

```
name="Dostdar Ali"  
print name[:6]+name[6:]
```



Questions

- What is difference between tuple and list in python?
- What is difference between list and Dictionary data types in python?
- How will you concatenate multiple strings together in python?
- What is use of slicing in python?
- What is lambda expression in python?
- What is difference between append() and extend() functions of a list in python?
- What is difference between split() and slicing in python?
- What is the output of following code in python?

```
name="Dostdar Ali"  
print name[:6]+name[6:]
```



Questions

- What is difference between tuple and list in python?
- What is difference between list and Dictionary data types in python?
- How will you concatenate multiple strings together in python?
- What is use of slicing in python?
- What is lambda expression in python?
- What is difference between append() and extend() functions of a list in python?
- What is difference between split() and slicing in python?
- What is the output of following code in python?
name="Dostdar Ali"
print name[:6]+name[6:]



- Syntax

A tuple is enclosed in parentheses while list is enclosed in brackets, list is mutable and tuple is immutable.

- Syntax

in a list we store object in sequence and in a dictionary we store object in key values pairs.

- We can use + and join function, `.join("Dostdar","Ali")`

- In a slicing we can give two indices in this string to create a substring.



- Syntax

A tuple is enclosed in parentheses while list is enclosed in brackets, list is mutable and tuple is immutable.

- Syntax

in a list we store object in sequence and in a dictionary we store object in key values pairs.

- We can use `+` and join function, `.join("Dostdar","Ali")`
- In a slicing we can give two indices in this string to create a substring.



Answers

- Syntax

A tuple is enclosed in parentheses while list is enclosed in brackets, list is mutable and tuple is immutable.

- Syntax

in a list we store object in sequence and in a dictionary we store object in key values pairs.

- We can use `+` and join function, `.join("Dostdar","Ali")`

- In a slicing we can give two indices in this string to create a substring.



- Syntax

A tuple is enclosed in parentheses while list is enclosed in brackets, list is mutable and tuple is immutable.

- Syntax

in a list we store object in sequence and in a dictionary we store object in key values pairs.

- We can use `+` and join function, `.join("Dostdar","Ali")`
- In a slicing we can give two indices in this string to create a substring.



Answers

- A lambda expression in python is used for creating an anonymous function.
- We call `append()` method to add an item to the end of list, while `extend()` method to add another list to the end of a list.
- Both `split()` function and slicing work on a string object. By using `split()` function, we can get the list of words from the string, while slicing way we can get substring from the string.
- Output of this will be
Dostdar Ali



Answers

- A lambda expression in python is used for creating an anonymous function.
- We call `append()` method to add an item to the end of list, while `extend()` method to add another list to the end of a list.
- Both `split()` function and slicing work on a string object. By using `split()` function, we can get the list of words from the string, while slicing way we can get substring from the string.
- Output of this will be
Dostdar Ali



Answers

- A lambda expression in python is used for creating an anonymous function.
- We call `append()` method to add an item to the end of list, while `extend()` method to add another list to the end of a list.
- Both `split()` function and slicing work on a string object. By using `split()` function, we can get the list of words from the string, while slicing way we can get substring from the string.
- Output of this will be
Dostdar Ali



Answers

- A lambda expression in python is used for creating an anonymous function.
- We call `append()` method to add an item to the end of list, while `extend()` method to add another list to the end of a list.
- Both `split()` function and slicing work on a string object. By using `split()` function, we can get the list of words from the string, while slicing way we can get substring from the string.
- Output of this will be
Dostdar Ali



Great Job
Thank you

