

Date: 18 MAY 2020
Course: PYTHON
Topic: Small Program,Data Types,Operations
with Data
Types

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Semester & Section:6 B

AFTERNOON SESSION DETAILS

Image of session

Udeity | The Python Mega Course: Build 10 Real World Applications

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FAQs

Welcome to this new section!

If during this section you encounter an error when you try to execute Python, know that it may be due to two common reasons whose solutions are given below. If you have an issue that is not included below, feel free to raise a question in the Q&A.

Question 1. When I run `python basics.py` on Windows, I get

Q Overview Q&A Bookmarks Announcements

About this course

A complete Python course for both beginners and intermediates! Master Python 3 by making 10 amazing Python apps.

Course content

Section 3: The Basics: Data Types
5 / 26 | 26min

- ☒ 10. Variables
3min
- ☒ Coding Exercise 1: Your First Python Exercise (E)
- ☒ Coding Exercise 2: Assign Multiple Values and Print (E)
- ☒ 11. Simple Types: Integers, Strings, and Floats
3min
- ☒ Coding Exercise 3: Create Integers, Strings, and Floats (E)
- ☐ Coding Exercise 4: Sum Up Numbers (E)
- ☐ 12. List Types
2min
- ☐ 13. Ranges
1min

Report –

1. Course Introduction
2. How to Contact Your Instructor
3. Preview of the 10 Apps

IDE :

- Python 3 and the Visual Studio code IDE is most efficiently used IDE's.
- There are two ways of executing the python Code, Code can be executed in the Shell or It can be executed by the help of the IDE.

First Python Code :

```
>>>import datetime
>>>print(datetime.datetime.now())
```

Optimized Code :

```
>>> import datetime
>>>print("The Date and Time Is",datetime.datetime.now())
```

Variables :

```
import datetime
mynow=datetime.datetime.now()
print(mynow)
```

variable- can store any kind of data

```
>>>mynumber=10
>>>mytext="hello"
print(mynumber,mytext)
```

```
>>>x=10
>>>y="10"
>>>sum1=x+x
>>>sum2=y+y
print(sum1+sum2)
```

Excercise:

```
x = 3
y = 4
z = 3
s = x+y+z
print(s)
```

Excercise : Calculating Maximun

```
student_grades = [9.1, 8.8, 7.5]
max_value = max(student_grades)
print(max_value)
```

Excercise : Creating Dictionary

```
day_temperatures = {'morning': 5.1, 'noon': 6.1, 'evening': 10.2}
```

Excercise:Creating Toples

```
color_codes = ((1,2,3), (4,5,6), (7,8,9))
```

Excercise : Append Item to List

```
seconds = [1.2323442655, 1.4534345567, 1.023458894]
```

```
current = 1.10001399445
```

```
seconds.append(current)
```

Excercise : Remove item from List

```
seconds = [1.2323442655, 1.4534345567, 1.023458894, 1.10001399445]
```

```
aseconds = [1.2323442655, 1.4534345567, 1.023458894, 1.10001399445]
```

```
seconds.remove(1.4534345567)
```

Excercise : Remove three Item From LIst

```
seconds = [1.2323442655, 1.4534345567, 1.023458894, 1.10001399445]
```

```
seconds.remove(1.4534345567)
```

```
seconds.remove(1.023458894)
```

```
seconds.remove(1.10001399445)
```

Excercise : Access and Append

```
workdays = ["Mon", "Tue", "Wed", "Thu", "Fri"]
```

```
weekend = ["Sat", "Sun"]
```

```
workdays.append(weekend[0])
```

Excercise : Slicing a List,Last Three

```
letters = ['a', 'b', 'c', 'd', 'e', 'f', 'g']
```

```
print(letters[-3:])
```