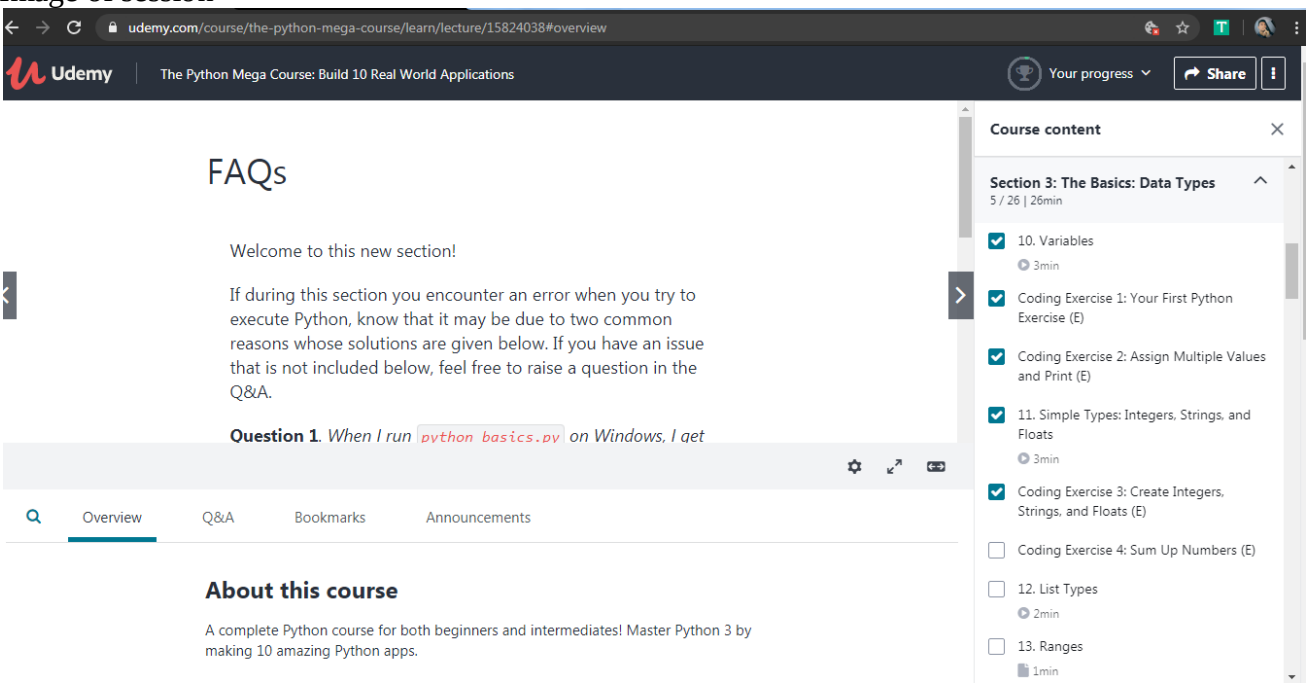
Date: 18 MAY 2020
Course: PYTHON
Topic: Small Program,Data Types,Operations with Data Types

Name:POOJARY SUSHANT
USN:4AL18EC400
Semester & Section:6 B

AFTERNOON SESSION DETAILS

Image of session



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:])