

**Dayananda Sagar College of Arts, Science and Commerce**  
**Department of Computer Applications- MCA**  
**4 Days Hands-on Workshop on “Python Programming”**

**Department: MCA**

**Date: 1<sup>st</sup> March to 4<sup>th</sup> March 2021**

**Summary:** The workshop was conducted by the speaker Mrs. Sandhya Anchan who has been working in IT Industry as a Web Developer. The speaker mainly focused on Basic concepts of Python Programming Language which includes Introduction, Applications, and Data Structures of Python.



Photo 1 : Introduction to Python

```
Break, continue

>>> for value in [3, 1, 4, 1, 5, 9, 2]:
...   print "Checking", value
...   if value > 8:
...     print "Exiting for loop"
...     break
...   elif value < 3:
...     print "Ignoring"
...     continue
...   print "The square is", value**2
...
...

Checking 3
The square is 9
Checking 1
Ignoring
Checking 4
The square is 16
Checking 1
Use "break" to stop
the for loop
Ignoring
Checking 5
Use "continue" to stop
processing the current item
The square is 25
Checking 9
Exiting for loop
>>>
```

Photo 2 : Introduction topics



Photo 3 : A Glimpse of speaker delivering the content

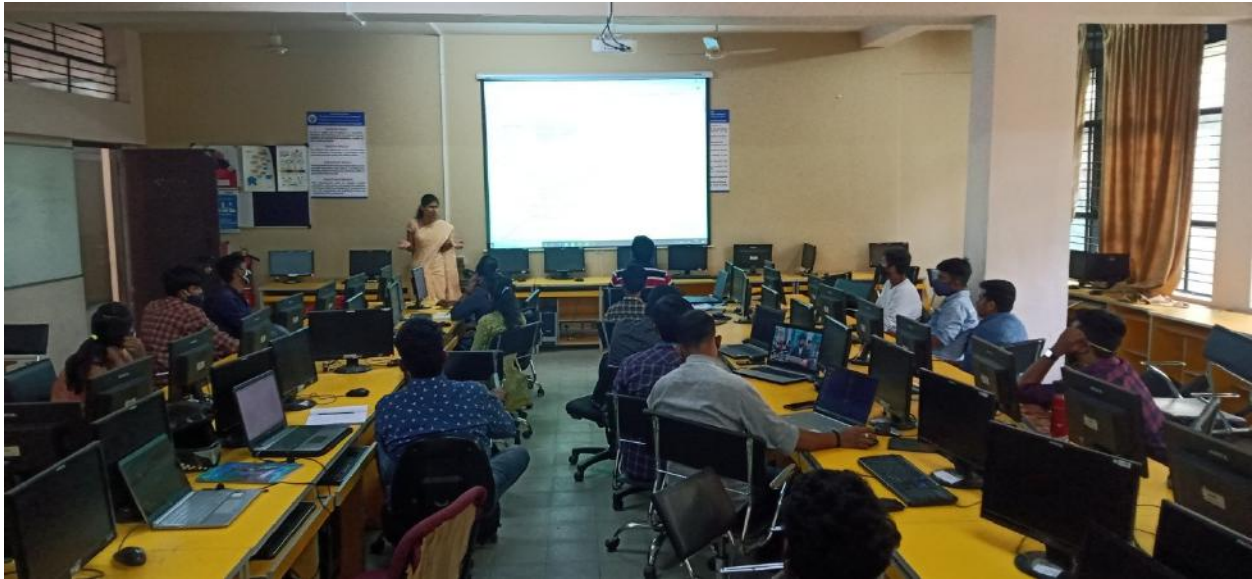


Photo 4: During the Session



Photo 5 : At the end of the session for Batch- 1

# Pydev with Eclipse

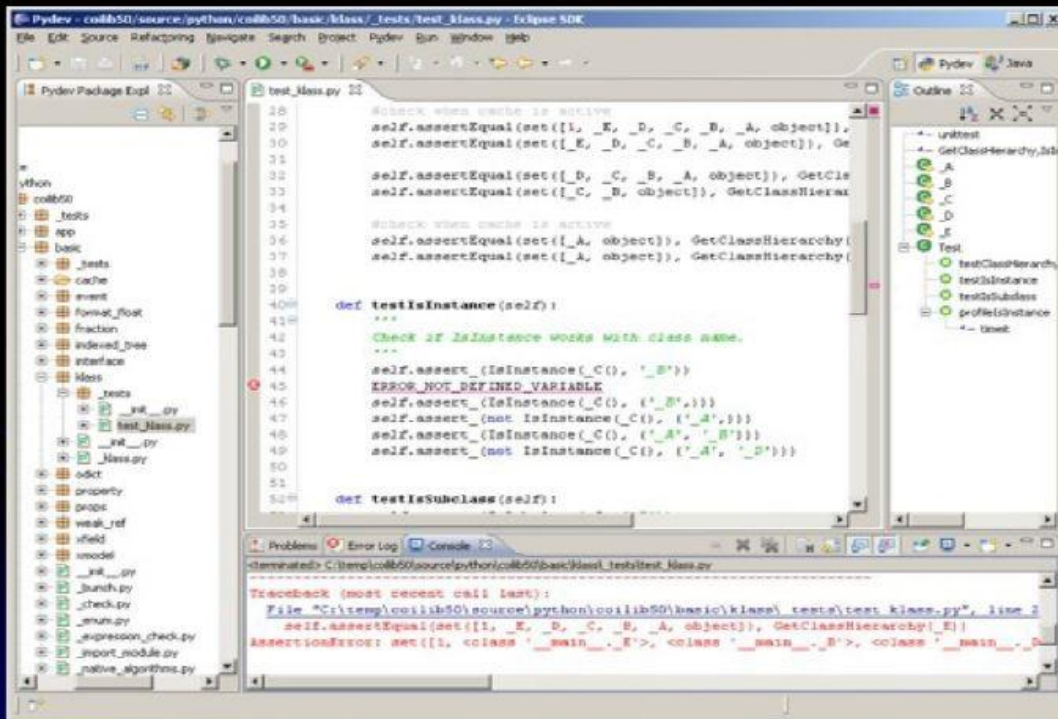


Photo 6 : Python Practice



Photo 7 : Students interaction with the speaker

## Tuple assignment in for loops

```
data = [("C20H2003", 308.371),  
        ("C22H2002", 316.393),  
        ("C24H40N4O2", 416.6),  
        ("C14H25N5O3", 311.38),  
        ("C15H2002", 232.3181)]  
  
for (formula, mw) in data:  
    print "The molecular weight of %s is %s" % (formula, mw)
```

- The molecular weight of C20H2003 is 308.371
- The molecular weight of C22H2002 is 316.393
- The molecular weight of C24H40N4O2 is 416.6
- The molecular weight of C14H25N5O3 is 311.38
- The molecular weight of C15H2002 is 232.3181

Photo 8 : A Glimpse of the assessment for Batch- 1

## Break, continue

```
>>> for value in [3, 1, 4, 1, 5, 9, 2]:
...     print "Checking", value
...     if value > 8:
...         print "Exiting for loop"
...         break
...     elif value < 3:
...         print "Ignoring"
...         continue
...     print "The square is", value**2
...
...
>>>
```

```
Checking 3
The square is 9
Checking 1
Ignoring
Checking 4
The square is 16
Checking 1
Use "break" to stop
the for loop
Ignoring
Checking 5
The square is 25
Use "continue" to stop
processing the current item
Exiting for loop
>>>
```

Photo 9 : Another glimpse of assessment for Batch- 2



Photo 10 : At the end of the session with the entire team