

Afternoon Session

Date: May 18

Name: Rashmi.k

Course: Python

USN: UAL18EC003

Topic: Day 1

Sem. section: IV Sem. 'A'

(8 topics)

Report:

\* IDE - Integrated development environment.

\* How to install python:

www.python.org → Downloads → Run

\* Cmd → "python3" type → get >>>  
"py -3"

\* Python 3 &amp; Visual studio code IDE is used in the videos, but you can use any IDE.

\* The python interactive shell (shown with &gt;&gt;&gt;) is a quick way to execute python code to see how it works.

\* python programs are written in .py files.

\* program to show the current date &amp; time.

import datetime

x = datetime.datetime.now()

print(x)

\* Integers represents the whole numbers

rank = 10

\* floats represent continuous values.

temperature = 10.2

Rainfall = 5.98

\* Strings represent any text.

name = "John"

\* Tuples - value that not be changed during program

vowels = ('a', 'e', 'i', 'o', 'u')

\* To find attributes &amp; builtins

dir(str)

dir(--builtins--)

dir(list)

dir(dict)

- \* lists, strings & tuples have positive & negative index system
- \* `[ : 3 ]` - first three items of the list
- \* `[ -3 : ]` - last 3 items of list
- \* `[ : -1 ]` - everything but the last.
- \* `[ : -2 ]` - everything but last 2

### loop:

- \* loops are useful for executing a command over large no. of items.
- \* can use loop over dictionary keys, values, items
- \* while loop is used as long as condition is true