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1) Introduction:
  Python enpoyee: a) Tools you weed
  The Tools that yoursed for the python course is the the
* The birst thing you need is python tool is instabled.
* Second you need on IDE. CIntegrated Development
Envisonment).
* IDE is Basically a Jext Editar but with some function - natities Designed bob programming
* We use going to rise python 3.

* Python is a cross platborm. It will be
                                                   wasted Por
                                                   og Mac.
    Any platborn such as Windows, linux,
b) Installation of Python 3 and IDE:
   On Windows: - Fig Fisst go to python-ong the official
   Lieb page of python) and then go to downloads and
    there you find a file of python. so Just our that
    will Download the file in your PC and Next Runit.
   Make sure that you python 3.7 and then go took
Install now & Jut wait far the Installation Process.
   Next go to command Prompt & type pythan. If the
    python is not wasking, type py-3 and cheek. Next
     step is to Install Visual astudio code IDE, bigst go
  to the Hebsite (https:// rode · Visual Studio · com)/ and
  go to the "I accept the agreement", Next To click all
   These options and go Mext, & Install, Attes Install
 - ation, dick on finish.
2) The Basies: - small phogram
     First pythoniode: impost datetime

Print(datetime - datetime . now ())
      und save the code. For Executing the code, Type is python 3 basics. Py", and the code is executed in the Terminal Window.
      in the Terminal Window.
     ' Impost datatime
       Paint ("the data & time is")
       print ( date time - date time - now ())
```

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outpid: 2019-08-31
                         18:55:12 - 399 607
  Basic data types:
  Variables: are Names that you can create in python to
    store values. We can't rise Numbers (02) Any symbols
    fas variables. It leads to an waren. We can store
   Numbers, Text etc:-
    Ex: - x = 20
         9 = 50"
         Sub 1= 2-x
         sum = y+y
         perint (subl, sumz)
          8/8/8/X/2/3/
          O/p: 05050
  Le con create a list of Numbers rising 'surge'
        Ex: - List & garge (1,10)3
         0/p:- {1,2,3,4,5,6,7,8,9,10}
         "hello". rippes -> "HELLO",
"hello". Little -> "Hello",
* Tuples:- by wing a Tuple Helan add the value to the
              Variable.
                  Ex: - x= {1,2,33
                        X. append (5)
                         0/9:-51,2,33
* Lists: Members = 2" many, "Joseph", "kasthik" }
             numbers = {1, 3, 4, 8}
   Dictionaries:
             phone_numbers = 2 "musy": 87648, "kasthik": 90353
              Key: phone-number. key()
                o/p: Monday_temp=[]
```

sution 4:- Operation With Data types Monday\_ temp = \$19.0, 16.8, 8.63 Monday-temp. clear () O/P: Monday\_temp = [] Indexing & slicing days = { 'mon', 'tue', 'wed', 'thu', 'f8;', 'sat', 'sun'3 day[2:4] O/P: [ 'Wed, thur']. section 5: functions & wordition als; def mean (mylist): the - nuan = sum(mylist) / len (Mylist) Extusor the mean Psint (mean([1,4,6])) 0/0:3-666 def Lube, volume (a) Situsna a a a Sutton 6:- Processing resus input message = "hello 1.5" % rescer input or message = { "hello { user\_input )"} Psint Message Op: - enter your name: Raviteja hello Raviteja.

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section 7: Loops
Monday - temp = 216.4, 5.9, 45.54
   for temperature in monday-temp:
          Print ( Ground (temp)).
Scution 8:-
    Def sentence - masker (phoase):
       interrogative s = ("how", "what", "Why")
        rapitalize = phase . rapitalize ()
        if phrase. stasts with (interogative);
          Return "(3" format ( capitalize)
         else
          Detean "{3." . format (capitalize)
         Besut = [3
          Uhile tace:
               user_input = input: ("say something")
                if russ_input = "lond";
                break
            else:
           results - append (sentince - muskeer (user-input))
            Print().
```