0601-05: DATA STRUCTURES _ IN PYTHON' -+ It is the way to Organizing and straing data so that it Can be accessed and Madified efficiently * It is helps Its to stone and manage large Amount at data ma Simple and effective Islay TYPES OF DATA STRUCTURE O. Built In data Floridan: a) fict: [] * Ordered Collection that Can be Changed. and allow duplicates.

fist = I 1,28, A] * It a mytable * It can be acrossed by Index and Chilip II s 6) Tuple: () * Ordered Collection that Comet be change. + It is not mutable * It can be arrested by Index 5: -11 = (1,2,3 A) 0) St. & Book to the state of the -x Chardead Collection of Chiquestements SI & 1,238 -X It is mutable and carnot account by

d). Dictionary: * Collection of key-value pairs di= 8'al:1,1 b':28 * It also mutable and acressed by a me stoppe and expedice lary Key AST: - |= [10,20,30] 1. append (40) print (1) 11: [10,2030,40] Type -1= C1,2,3). [] point (fI[i]) 11 2. Mosition. SI= 212,3,33 print (SI)
Op: (1,239 // serve obylicates. did: di= { 'name!: 'Vijay', 'age!: 29 3 print (dr [mamat]) 11 Vijay ad busine towns have declare BHT X

Hantges of Data stauctures. * Efficient duta storage andaccess -x Easy date manipulation * Better memory (buage * supports real-cooold problem slaving