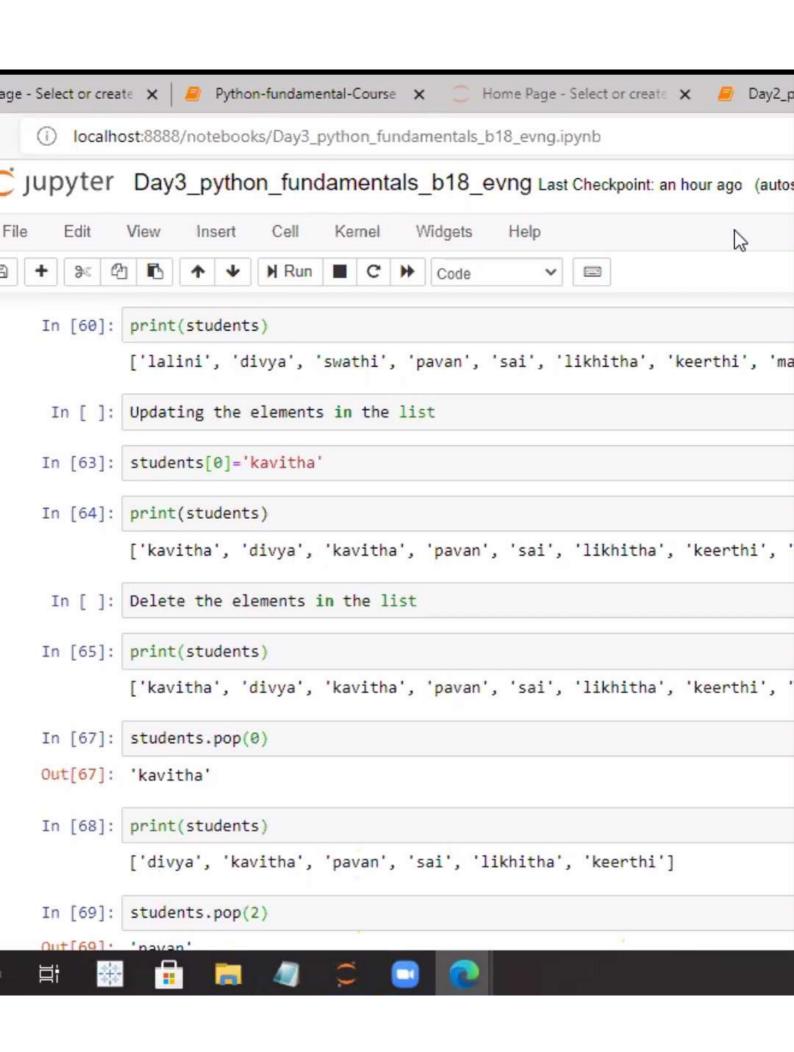


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             ## introduction about list data type
     In [ ]: list----->storing the elements/items
             list is always going to declare []
             list is a mutable data type
    In [40]: students=['lalini', 'divya', 'pavan', 'sai', 'likhitha', 'keerthi']
                                       2
                                                   3
                                   1
    In [41]: print(students)
             ['lalini', 'divya', 'pavan', 'sai', 'likhitha', 'keerthi']
     In [ ]:
             ## index ---
                                    ---->0,1,2,3,.....
    In [45]:
             print(students[2])
             pavan
    In [48]:
             print(students[2].upper())
             PAVAN
     In [ ]:
    In [55]: message=f"keep it up ,{students[2].upper()}"
   븕
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    In [56]: print(message)
              keep it up , PAVAN
     In [ ]: ## adding of elements
              ### updating elements
              ### delete elements
     In [ ]: Adding the elements to the list----->add, append, insert
    In [57]: students.append('madhuri')
    In [58]: print(students)
              ['lalini', 'divya', 'pavan', 'sai', 'likhitha', 'keerthi', 'madhuri']
    In [59]: students.insert(2, 'swathi')
    In [60]: print(students)
              ['lalini', 'divya', 'swathi', 'pavan', 'sai', 'likhitha', 'keerthi', 'm
     In [ ]:
             Updating the elements in the list
    In [63]: students[0]='kavitha'
    In [64]: print(students)
   甘
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    In [63]: students 0 = 'kavitha'
    In [64]: print(students)
              ['kavitha', 'divya', 'kavitha', 'pavan', 'sai', 'likhitha', 'keerthi',
     In [ ]: Delete the elements in the list
    In [65]: print(students)
              ['kavitha', 'divya', 'kavitha', 'pavan', 'sai', 'likhitha', 'keerthi',
    In [67]: students.pop(0)
    Out[67]: 'kavitha'
    In [68]: print(students)
              ['divya', 'kavitha', 'pavan', 'sai', 'likhitha', 'keerthi']
    In [69]: students.pop(2)
    Out[69]: 'pavan'
    In [70]: print(students)
              ['divya', 'kavitha', 'sai', 'likhitha', 'keerthi']
     In [ ]:
   <u></u>
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```