```
In [1]: | 1s=[] #An empty list
 In [2]: type(1s)
 Out[2]: list
 In [3]: ls1=[2,3,4,"hi",[4,6]] #Creating a list
 In [4]: print(ls1)
         [2, 3, 4, 'hi', [4, 6]]
 In [5]: ls2=["ISE","CSE"]
         ls3=ls1+ls2 # List Concatenation
         print(ls3)
         [2, 3, 4, 'hi', [4, 6], 'ISE', 'CSE']
 In [6]: ls2=ls2*3 #List Replication ["ISE", "CSE"]*3
         print(ls2)
         ['ISE', 'CSE', 'ISE', 'CSE', 'ISE', 'CSE']
 In [7]: len(1s2)
 Out[7]: 6
In [8]: |1s2[4]
 Out[8]: 'ISE'
 In [9]: 1s2[-4]
 Out[9]: 'ISE'
In [10]: | ls=[1,2,3]
         ls.append("hi")
         1s.append(34)
         print(ls)
         [1, 2, 3, 'hi', 34]
In [11]: res=ls.append(23.4) #append() returns None
         print(res)
```

None

```
In [12]: ls.append("heelo",45.6)
                                                    Traceback (most recent call la
         TypeError
         <ipython-input-12-1467a604d71d> in <module>
         ----> 1 ls.append("heelo",45.6)
         TypeError: append() takes exactly one argument (2 given)
In [13]: | ls1=["heelo",45.6] #Create a list
         ls.extend(ls1) #extend() appends the elements of the list argument to
         print(ls)
         ∢ 
         [1, 2, 3, 'hi', 34, 23.4, 'heelo', 45.6]
In [14]: |ls=[3,4.5,"world"]
         ls.insert(2,"hi") # Insert at index 2 after 4.5
         print(ls)
         [3, 4.5, 'hi', 'world']
In [15]: ls.insert(-1, 'is')
         print(ls)
         [3, 4.5, 'hi', 'is', 'world']
In [16]: ls.insert(-2,34)
         print(ls)
         [3, 4.5, 'hi', 34, 'is', 'world']
In [17]:
         spam=['a','b','c','d']
         print(spam[int('3'*2)/11])
                                                    Traceback (most recent call la
         TypeError
         <ipython-input-17-3859695216c7> in <module>
               1 spam=['a','b','c','d']
          ----> 2 print(spam[int('3'*2)/11])
         TypeError: list indices must be integers or slices, not float
In [18]: '3'*2
Out[18]: '33'
```