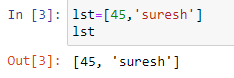
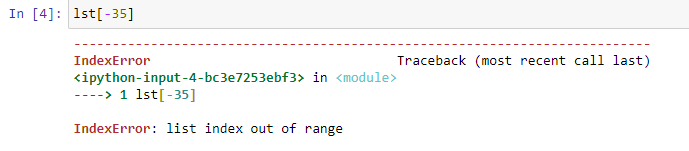
**1. Can a Python list hold a mixture of integers and strings?**

Yes

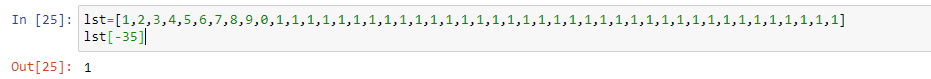
**Output:**



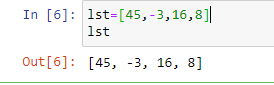
**2. What happens if you attempt to access an element of a list using a negative index?**

****

**When there are 35 items in the list, it prints the 35th item from right**

****

**3. What Python statement produces a list containing the values 45, −3, 16 and 8, in that order?**

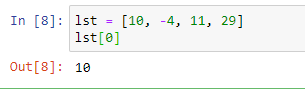
****

**4. Given the statement**

**lst = [10, -4, 11, 29]**

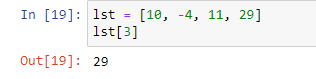
**(a) What expression represents the very first element of lst?**

0

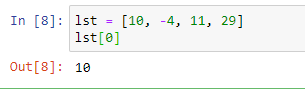


**(b) What expression represents the very last element of lst?**

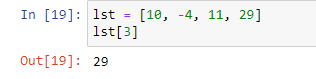
**3**

****

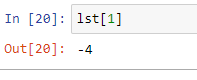
**(c) What is lst[0]?**



**(d) What is lst[3]?**

****

**(e) What is lst[1]?**

****

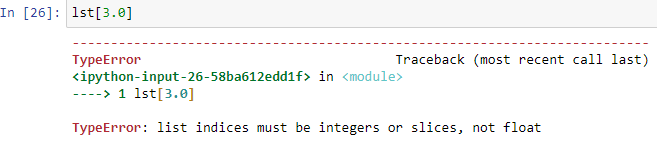
**(f) What is lst[-1]?**

****

**(g) What is lst[-4]?**

****

**(h) Is the expression lst[3.0] legal or illegal?**

****

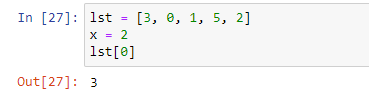
**5. Given the statements**

**lst = [3, 0, 1, 5, 2]**

**x = 2**

**evaluate the following expressions:**

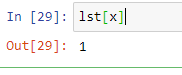
**(a) lst[0]?**

****

**(b) lst[3]?**

****

**(c) lst[x]?**

****

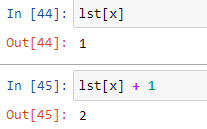
**(d) lst[-x]?**

****

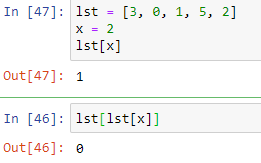
**(e) lst[x + 1]?**



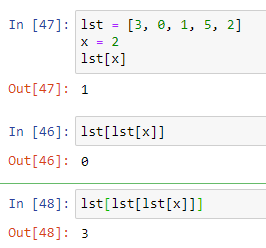
**(f) lst[x] + 1?**



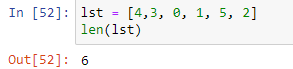
**(g) lst[lst[x]]?**

****

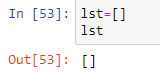
**(h) lst[lst[lst[x]]]?**

****

**6. What function returns the number of elements in a list?**

****

**7. What expression represents the empty list?**

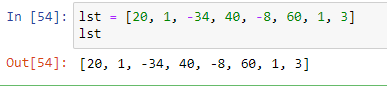
****

**8. Given the list**

**lst = [20, 1, -34, 40, -8, 60, 1, 3]**

**evaluate the following expressions:**

**(a) lst**

****

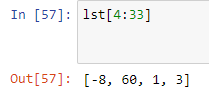
**(b) lst[0:3]**

****

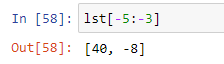
**(c) lst[4:8]**

****

**(d) lst[4:33]**

****

**(e) lst[-5:-3]**

****

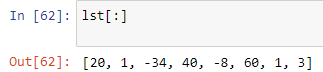
**(f) lst[-22:3]**

****

**(g) lst[4:]**

****

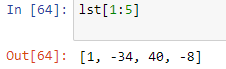
**(h) lst[:]**

****

**(i) lst[:4]**

****

**(j) lst[1:5]**

****

**(k) -34 in lst**

****

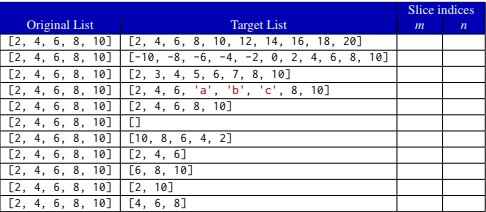
**(l) -34 not in lst**

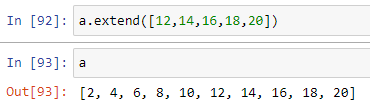
****

**(m) len(lst)**

****

**9. An assignment statement containing the expression a[m:n] on the left side and a list on the right side can modify list a. Complete the following table by supplying the m and n values in the slice assignment statement needed to produce the indicated list from the given original list.**

****

****