Consider the following code

In []: a = [1, 2, 5, 9]

In []: a[0:-1]

What will be the output of the above code?

Out[]: [9, 5, 2, 1]

Out[]: [1, 2, 5, 9]

Out[]: [1, 2, 5]

Out[]: [2, 5, 9]

which of the following is/are correct to get previous typed commands i.e previous history?

 %his   
 %h   
 %hist   
 %history

Given;

In []: a = [1, 2, 5, 9]

How do you find the length of this list?

 len(a)   
 a.length()   
 a.size()   
 length(a)

Given;

In []: a = array([[1, 2],

[3, 4]])

In []: b = array([[1, 1],

[2, 2]])

In []: a\*b

What is the output?

array([[1, 2],  
 [6, 8]])

array([[6, 8],  
 [1, 2]])

array([[5, 5],  
 [9, 11]])

 This operation will throw an error

Which of the following options are correct to get the sum of numbers located at **even indexes** in a list?   
Assume the list is -

>>> my\_list = [1, 2, 3, 4, 5]

Note: **Sum function,**given in the option is used to find sum of elements of list.

 sum(my\_list[1:5:2])   
 my\_list[1] + my\_list[3]   
 my\_list[0]+my\_list[2]+my\_list[4]   
 sum(my\_list[0:5:2])

Which of the following commands will be used to obtain the help page for the magic command %history

%history?

%history --help

%history%

%history -h

What will be the output for the following code -

>>> list1 = [2, 33, 222, 14, 25]

>>> list1[::-1]

 [2, 33, 222, 14]   
 25   
 [25, 14, 222, 33, 2]   
 Error

Write a Function **num\_square** to find the square of a number.   
For Example

>>> num\_square(2)

>>> 4

In the above example parameter given to function **num\_square** is **2**and return value obtained is **4.**  
**Note:**

* Your Function should **Return** the final value.
* Your Function should **NOT Print**any value.
* Your Function name should be **num\_square.**

Write your program below

The following code snippet desires to plot l vs. t^2

1: l = [0.1, 0.2, 0.3, 0.4]

2: t = [0.69, 0.90, 1.19, 1.30]

3: tsq = []

4: for time in t:

5: tsq.append(time\*time)

6: plot(l, tsq)

Which line has an error?

 line 4   
 line 6   
 line 5   
 None of the above

Which of the following options is used to run a python file **(say plot.py)** using IPython interpreter?

 %run plot.py   
 %run -i plot.py   
 %run -a plot.py   
 %run -o plot.py

Which of the following is/are correct to create a list of numbers from 0 to 10?

 range(0, 9)   
 range(0, 10)   
 range(11)   
 range(10)