STRINGS AND LISTS

What is the Value of s?

```
s = ‘abc’

s = ‘d’ * 3 + s


s = s[2:-2]
```

A. ‘ddab’
B. ‘dab’
C. ‘dda’
D. ‘da’
E. None of the above

What is the Value of s?

```
s = 'abc'

s = 'd' * 3 + s
      'ddd'  + 'abc'  ⟶  'dddabc'

s = s[2:-2]
    'dddabc'[2:-2]  ⟶  'dddabc'
```

0	1	2	3	4	5
-6	-5	-4	-3	-2	-1

A. 'ddab'
B. 'dab'
C. 'dda'
D. 'da'
E. None of the above

What is the Value of s?

```
s = 'abc'

s = 'd' * 3 + s
      'ddd'  + 'abc'  ⟶  'dddabc'

s = s[2:-2]
    'dddabc'[2:-2]  ⟶  'dddabc'
```

0	1	2	3	4	5
-6	-5	-4	-3	-2	-1

A. 'ddab'
B. 'dab'
C. 'dda'
D. 'da'
E. None of the above

What is the Value of s?

```
s = ‘Feng Chia University IESM’

s[0::23] + s[6:0:-2] + s[-1] * 2 = ?
```

What is the Output of the Following Program?

```
mylist = [1, 2, [3, 4, 5]]
          0  1       2
print(mylist[1], mylist[1:2])
```

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A. 2 2 3
B. 2 [2, 3]
C. 2 2
D. 2 2 [3, 4, 5]
E. None of the above

What is the Output of the Following Program?

```
mylist = [1, 2, [3, 4, 5]]
          0  1       2
print(mylist[1], mylist[1:2])
```

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Slicing a list always produces a list!

A. 2 2 3
B. 2 [2, 3]
C. 2 2
D. 2 2 [3, 4, 5]
E. None of the above 2 [2]

How to Produce [105, 111]?

```
s = [101, 103, 105, 108, 109, 111]
```

A. `s[2:3] + s[-1:]`
B. `s[-4] + s[5]`
C. `s[-4] + s[-1:]`
D. More than one of the above
E. None of the above

How to Produce [105, 111]?

```
          0     1     2     3     4     5
s = [101, 103, 105, 108, 109, 111]
         -6    -5    -4    -3    -2    -1
```

A. `s[2:3] + s[-1:]`

`[105] + [111]` ⟶ `[105, 111]`

B. `s[-4] + s[5]`

`105 + 111` ⟶ `216`

C. `s[-4] + s[-1:]`

`105 + [111]` ⟶ `Error!`

D. More than one of the above

E. None of the above

How to Produce [105, 111]?

```
          0     1     2     3     4     5
s = [101, 103, 105, 108, 109, 111]
         -6    -5    -4    -3    -2    -1
```

A. `s[2:3] + s[-1:]`

`[105] + [111]` → `[105, 111]`

B. `s[-4] + s[5]`

`105 + 111` → `216`

C. `s[-4] + s[-1:]`

`105 + [111]` → `Error!`

D. More than one of the above

E. None of the above

Fill the Blank to Print ‘compute!’

```
subject = ‘computer science!’
verb = __________
print(verb)
```

A. `subject[:7] + subject[-1]`
B. `subject[:7] + subject[:-1]`
C. `subject[:8] + subject[-1]`
D. `subject[:8] + subject[:-1]`
E. None of the above

Fill the Blank to Print ‘compute!’

```
subject = ‘computer science!’
verb = ____________
print(verb)
```

A. `subject[:7] + subject[-1]`
B. `subject[:7] + subject[:-1]`
C. `subject[:8] + subject[-1]`
D. `subject[:8] + subject[:-1]`
E. None of the above