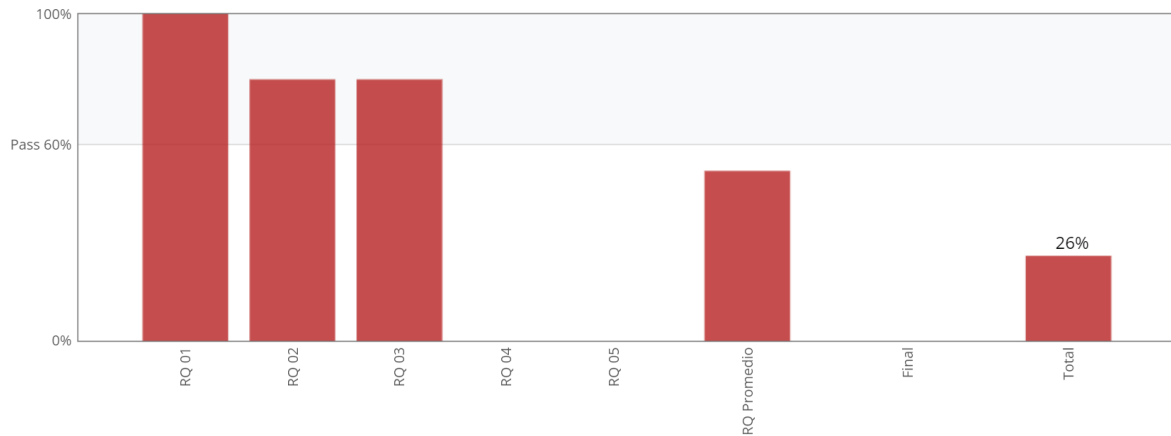


Quizes Modulo 1-3

Progreso del curso para el estudiante 'Danielav96' con el correo (A00819192@tec.mx)



Using the **Practice Lab**, find the result of executing `print("Hello\nWorld!")` statement.

☐ Hello\nWorld!

☐ Hello World!

☒ Hello
World!



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Ha realizado 1 de 2 intentos

Question 2

1/1 punto (no calificado)

What is the output of executing the following statement: `# print('Hello World!')` ?

☐ Hello World!

☐ "Hello World!"

☒ There is no output as it is a comment.



Question 1

1/1 punto (no calificado)

What is the type of the following: `int(1.0)`?

☐ float

☒ int

☐ bool



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Question 2

1/1 punto (no calificado)

Enter the code to convert the number 1 to a Boolean.

`bool(1)`



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Consider the following string:

```
Numbers = "0123456"
```

How would you obtain the even elements?

☐ `Numbers[::3]`

☒ `Numbers[::2]`

☐ `Numbers[::6]`



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QUESTION 2

1/1 punto (no calificado)

What is the result of the following line of code:

```
"0123456".find('1')
```

☐ 0

☒ 1

☐ '1'

☐ True

Review Question 1

1/1 punto (calificado)

What is the result of the following operation in Python:

`3 + 2 * 2`

☐ 10

☒ 7

☐ 9

☐ 12



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Review Question 2

1/1 punto (calificado)

In Python, if you executed `name = 'Lizz'`, what would be the output of `print(name[0:2])`?

☐ Lizz

☐ L

☐ Liz

☒ Li



Review Question 3

1/1 punto (calificado)

In Python, if you executed `var = '01234567'`, what would be the result of `print(var[::2])`?



0246



1357



1234567



8903



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Review Question 4

1/1 punto (calificado)

In Python, what is the result of the following operation `'1'+'2'`?



'2'



'3'



'12'



3



Review Question 5

1/1 punto (calificado)

Given `myvar = 'hello'`, how would you convert `myvar` into uppercase?



`len(myvar)`



`myvar.find('hello')`



`myvar.upper()`



`myvar.sum()`



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QUESTION 1

0/1 punto (no calificado)

How do you access the last element of the following tuple: `A=(0,1,2,3)` ? Select all possible correct answers.

☒ `A[3]`

☐ `A[0]`

☐ `A[-1]`

☐ `A[end]`

✖

Note: Make sure you select all of the correct options—there may be more than one!

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QUESTION 2

1/1 punto (no calificado)

Consider the list: `B=["a","b","c"]` .

What is the result of the following `B[1:]` ?

☐ `[]`

☐ `'b'`

☒ `['b','c']`

☐ `['a','b','c']`

✔

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What is the result of the following lines of code:

```
S={'A','B','C'}
```

```
U={'A','Z','C'}
```

```
U.union(S)
```

☒ {'A','B','C','Z'}

☐ {'A','Z','C'}

☐ {'A','B','C'}

☐ {'A'}



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QUESTION 2

1/1 punto (no calificado)

What is the intersection of set `S` and `U`?

```
S={'A','B','C'}
```

```
U={'A','Z','C'}
```

☐ {'A','B','C'}

☐ {'A','B','C','Z'}

☒ {'A','C'}

☐ {'Z'}

QUESTION 1

1/1 punto (no calificado)

Consider the following dictionary:

```
D = {'a':0, 'b':1, 'c':2}
```

What is the result of the following: `D.values()` ?

☐ `dict_keys([0, 1, 2])`

☒ `dict_values([0, 1, 2])`

☐ `dict_values(['a', 'b', 'c'])`

☐ `dict_keys(['a', 'b', 'c'])`



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Ha realizado 1 de 2 intentos

QUESTION 2

1/1 punto (no calificado)

Consider the following dictionary:

```
D = {'a':0, 'b':1, 'c':2}
```

What is the output of the following `D['b']` ?

☐ 0

☒ 1

☐ 2



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What is the syntax used to obtain the first element of the tuple:

A = ('a','b','c')

☐ A[1]

☒ A[0]

☐ A[:]



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Question 2

0/1 punto (calificado)

After applying the following method, L.append(['a','b']), the following list will only be one element longer.

☐ True

☒ False



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Ha realizado 1 de 1 intento

Question 3

1/1 punto (calificado)

How many duplicate elements can you have in a set?

☐ 1

☒ 0. You can only have one unique element in a set.

☐ 100

1/1 punto (calificado)

Consider the following Python dictionary:

```
Dict={"A":1,"B":"2","C":[3,3,3],"D":(4,4,4),'E':5,'F':6}
```

What is the result of the following operation: `Dict["D"]`?

- ☐ 4
- ☐ 3
- ☐ [3,3,3]
- ☒ (4, 4, 4)
- ☐ Error



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Ha realizado 1 de 2 intentos

Question 5

1/1 punto (calificado)

What is an important difference between lists and tuples?

- ☐ Lists can't contain a string.
- ☐ Tuples can only have integers.
- ☐ Lists and tuples are the same.
- ☒ Lists are mutable, tuples are not.
- ☐ There are no zeros in lists.



QUESTION 1

1/1 punto (no calificado)

Select the values of `i` that produces a True for the following:

`i!=0`

☒ 1

☐ 0

☒ -1

☒ 10000000



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QUESTION 2

1/1 punto (no calificado)

What is the output of the following:

```
x='a'
if(x!='a'):
    print("This is not a.")
else:
    print("This is a.")
```

☐ "This is not a."

☒ "This is a."



QUESTION 1

1/1 punto (no calificado)

What is the output of the following lines of code:

```
A=[3,4,5]
for a in A:
    print(a)
```

☐ 1, 2, 3

☐ 0, 1, 2

☒ 3, 4, 5



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QUESTION 2

1/1 punto (no calificado)

What is the output of the following lines of code:

```
x=3
y=1
while(y!=x):
    print(y)
    y=y+1
```

☒ 1, 2

☐ 0, 1

What is the value of c after the following block of code is run ?

```
a=1  
  
def add(b):  
    return a+b  
  
c=add(10)
```

☐ 0

☐ 1

☒ 11

☐ 111



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QUESTION 2

0/1 punto (no calificado)

What is the value of `c` after the following block of code is run with proper numerical input?

```
def f(*x):  
    return sum(x)
```

☐ Return the total of a variable amount of parameters.

☒ Return the total of a list.

☐ The function is not valid.



Using the Class Car in the lab, create a Car object with the following attributes:

```
make="Honda"  
model="Accord"  
color="blue"
```

☐ Car(make="Honda",model="Accord",color="blue")

☒ Car("Honda","Accord","blue")

☐ Car(model="Accord",make="Honda",color="blue")

☒ Car("Accord","Honda","blue")



Note: Make sure you select all of the correct options—there may be more than one!

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Ha realizado 2 de 2 intentos

QUESTION 2

1/1 punto (no calificado)

From the lab, how would you change the data attribute `owner_number`?

☒ Utilising the method `sell()`.

☐ Utilising the method `car_info()`.



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Ha realizado 2 de 2 intentos

What is the output of the following lines of code:

```
x=1  
if(x!=1):  
    print('Hello')  
else:  
    print('Hi')  
print('Mike')
```

☒ Hi Mike

☐ Mike

☐ Hello Mike

☐ The Mike



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Ha realizado 1 de 2 intentos

Question 2

0/1 punto (calificado)

What is the output of the following few lines of code?

```
A = ['1','2','3']  
for a in A:  
    print(2*a)
```

☐ 2 4 6

☒ '2' '4' '6'

☐ '11' '22' '33'

Consider the function Delta, when will the function return a value of 1

```
def Delta(x):  
    if x==0:  
        y=1;  
    else:  
        y=0;  
    return(y)
```

☐ When the input is anything but 0.

☐ When the input is 1.

☐ Never.

☒ When the input is 0.



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Ha realizado 1 de 2 intentos

Question 4

1/1 punto (calificado)

What is the correct way to sort the list 'B' using a method? The result should not return a new list, just change the list 'B'.

☒ B.sort()

☐ sort(B)

☐ sorted(B)

☐ B.sorted()

