

Verificación pre-silicio Primavera 2022



Lab#2: Python

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Work made by: **Christian Aaron Ortega Blanco**
Hermosillo, Son. 30 de mayo de 2022.

1. Execute the next exercises

Assume that we execute the following assignment statements:

- `width = 17`
- `height = 12.3`

For each of the following expressions, write the value of the expression and the result

type (int,float)

- `width/2`
- `width/2.5`
- `height/3`
- `1 + 2 * 5`
- `0.66 * *5`

Use the Python interpreter to check your answers.

```
chris@DESKTOP-8LCLCKD ~  
$ python  
Python 3.9.10 (main, Jan 20 2022, 21:37:52)  
[GCC 11.2.0] on cygwin  
Type "help", "copyright", "credits" or "license" for more information.  
>>> w=17  
>>> h=12.3  
>>> print (int(w/2))  
8  
>>> print (float(w/2))  
8.5  
>>> print (w/2.5)  
6.8  
>>> print (h/3)  
4.1000000000000005  
>>> print (1+2*5)  
11  
>>> 0.66**5  
0.12523325760000004  
>>>
```

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2. Write a program that uses input to prompt a user for their name and then welcomes them.

```
chris@DESKTOP-8LCLCKD ~  
$ python  
Python 3.9.10 (main, Jan 20 2022, 21:37:52)  
[GCC 11.2.0] on cygwin  
Type "help", "copyright", "credits" or "license" for more information.  
>>> name= input("enter your name:")  
enter your name:Christian  
>>> print("hi! ",name," , good morning")  
hi! Christian , good morning  
>>> |
```

3. Write a program which prompts the user for a Celsius temperature, convert the temperature to Fahrenheit and print out the converted temperature.

```
>>> c=float(input("set celsius:"))  
set celsius:33  
>>> f=c*(9/5)  
>>> f=f+32  
>>> print ("fahrenheit: ",f)  
fahrenheit: 91.4  
>>> |
```

4. What is wrong with the following code:

```
>>> print 'Hello world!'
```

```
print ("hello world!")
```