Verificación pre-silicio Primavera 2022

Lab#3B: python_scripts

Professor: **Rogelio Hernández Hernández**

Work made by: **Christian Aaron Ortega Blanco**

Hermosillo, Son. 31 de mayo de 2022.

Write a program called ex_2, which asks for two points in two-dimensional space and calculates the mean according to the formula:

$$Be\ \vec{a} = (a_x, a_y)\ y\ \vec{b} = (b_x, b_y)\ entonces\ \vec{m} = \vec{a} + \vec{b} = \left(\frac{a_x + b_x}{2}, \frac{a_y + b_y}{2}\right)$$

main.py

Run

Shell

```
class point:
    def __init__(self, a, b):
        self.a = a
        self.b = b
    def __str__(self):
        return '{}, {}'.format(self.a, self.b)

def mean(x, y):
    #build point a,b
    a = (x.a + y.a)/2
    b = (x.b + y.b)/2

    #build mean
    return point(a, b)

x = point(1, 5)
y = point(5, -2)

m = mean(x, y)

print('The mean is: ', m)
```

```
The mean is:  3.0, 1.5
>
```

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Write a program called ex_3, which given an integer, that express a time period in seconds, print the equivalent in days, hours, mins and seconds. For example: 300000 seconds will be 3 days, 11 hours, 20 mins y 0 seconds. Or 7400 seconds Will be 0 days, 2 hours, 3 mins y 20 seconds.