

2. Week no. 2

Learning goals: Continue with the previous week's learning goals.

1. Complete the following program to obtain the letter from a dni number:

```
letterset_dni = "TRWAGMYFPDXBNJZSQVHLCKE"  
dni = .....  
posicion = dni%23  
letter_dni = .....  
NIF = .....  
print("NIF = ",NIF)
```

2. Write a python program that asks for a value in degrees Fahrenheit and shows the value converted to Celsius. You should use the following formula:
$$\text{degrees_celsius} = (\text{degrees_fahrenheit} - 32) / 1.8$$
3. Write a python program that reads-in a first name, a name, and a dni of a person and outputs the data on the terminal.
4. Write a python program that reads-in a name and surname and generates (and visualizes) the corresponding email address. The address is built by the first letter of the name followed by the surname and ended by @alumnos.uvigo.es.
5. Write a python program that reads-in the coordinates x and y of a point and visualizes them in the format (x,y) on screen.
6. Write a python program that computes the distance between two points.
7. These lines will generate a integer random number between 0 and 9:

```
import random  
num = random.randint(0,9)
```

Write a python program that, after generating a random number, asks the user to input a number using the keyboard. The program must tell if the user has guessed the number or, if he didn't, tell if the secret number is smaller or greater than the number typed by the user.