CENTRE ESPECÍFIC
D´EDUCACIÓ A DISTÀNCIA DE
LA COMUNITAT VALENCIANA

# PYTHON - PART 3 - ACTIVITIES

**Computer systems**
**CFGS DAW**

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## Licencia



## Nomenclatura

A lo largo de este tema se utilizarán distintos símbolos para distinguir elementos importantes dentro del contenido. Estos símbolos son:

Actividad opcional. Normalmente hace referencia a un contenido que se ha comentado en la documentación por encima o que no se ha hecho, pero es interesante que el alumno investigue y practique.

Atención. Hace referencia a un tipo de actividad donde los alumnos suelencometer equivocaciones.

Pista. Información adicional que ayuda a la resolución del ejercicio.

# PYTHON - PART 3 - ACTIVITIES

## 1. ACTIVITIES

To get user input in python you have to use the function `input`. This function returns a **string**. For example:

```
txt = input("Type something interesting: ")
print("You said: ", txt)
```

To convert a string into a number you have to use the functions `int()` (to get a integer) or `float()` (to get a decimal number).

Notes that for numerical operations such as mathematical operations (+,-*,/.%...) or numerical comparisons (<,>,==...) the data read as strings must be converted to numbers

**1)** Write a Python program that read four numbers and it says which number is the greater and which is the least.

**2)** Write a Python program for guessing a number between 1 and 99. They can try to guess it in at maximum 5 tries.

**3)** Write a Python program that read two words and say if they are equal or not.

**4)** Write a Python program that reads three numbers and it says if three of them are equal, only two or none.

**5)** Write a Python program that reads three numbers and it says if three of them are equal, only two or none.

**6)** Write a Python program that reads two numbers (temperature and humidity) to check if School should be cancel or not:

- If temperature is greater or equal than 40, prints “Cancel School".
- if temperature is lower than 40 but greater than 32 and humidity is greater than 75, prints "Cancel school"
- if temperature is lower than 32 but greater than 28 and humidity is greater than 88, prints "Cancel school"
- if temperature is lower than -25, prints "Oh my god! It is the end of the world!"
- Otherwise print “Go to School!”

**7)** Repeat exercise 2, but give a little help to the computer to get the number right. After each attempt by the computer, if it has not succeeded, it asks for information on whether the number is greater or less than the one it has proposed.

**8)** 🎖 Write a program that requests the user's name, age and number of years of membership in the company. With this information, create a folder with the user's name and, if the sum of the age and years in the company is greater than 35, a sub-folder called private