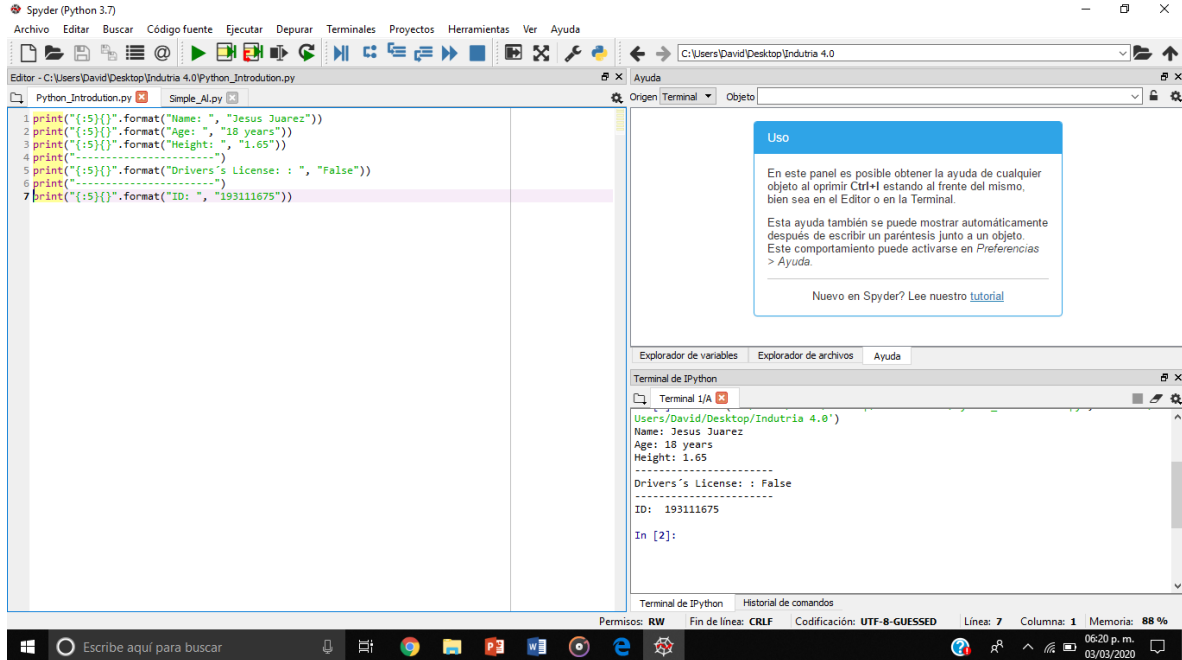


Activity 01- Python Introductuon



The screenshot shows the Spyder Python IDE interface. The main editor window displays a Python script named `Python_Introduction.py` with the following code:

```
1 print("{:5s}".format("Name: ", "Jesus Juarez"))
2 print("{:5s}".format("Age: ", "18 years"))
3 print("{:5s}".format("Height: ", "1.65"))
4 print("-----")
5 print("{:5s}".format("Drivers's License: : ", "False"))
6 print("-----")
7 print("{:5s}".format("ID: ", "193111675"))
```

The right sidebar contains an "Ayuda" (Help) panel with a "Uso" (Usage) section explaining how to use the help system. Below the help panel are tabs for "Explorador de variables", "Explorador de archivos", and "Ayuda". At the bottom, the "Terminal de IPython" panel shows the output of the script:

```
Users/David/Desktop/Indutria 4.0')
Name: Jesus Juarez
Age: 18 years
Height: 1.65
-----
Drivers's License: : False
-----
ID: 193111675

In [2]:
```

The status bar at the bottom indicates the file permissions (RW), line ending (CRLF), encoding (UTF-8-GUESSED), and the current cursor position (Linea: 7, Columna: 1, Memoria: 88 %).

This code prints my information. It is using variables and formatting string.

Activity 02- Simple-AI

The screenshot shows the Spyder Python IDE interface. The main editor window displays a Python script named 'Simple_AI.py' located at 'C:\Users\David\Desktop\Indutria 4.0\Simple_AI.py'. The script prompts the user for their name, age, and whether they have a driving license, and then prints out information based on these inputs. The script is as follows:

```
1 name=input("What is your name?")
2 print("Hi!!", name)
3 print("What is your age?")
4 age = float(input())
5 print("What is your height?")
6 height =float(input())
7 if age>=18:
8     print("You are ",age, "years")
9     print("You can now vote")
10    answer=input("You can to have driving permit. Do you have it?(Y/N)")
11    if answer == 'y':
12        print("You can drive")
13    if answer == 'n':
14        print("You can get a driving lincese")
15 else:
16     print("You are ",age, "years")
17     print("You don't can now vote")
18     print("You cann't to have driving permit.")
19
20 if height>=170 :
21     print("You are tall")
22 elif height>=160:
23     print("You are medium")
24 else:
25     print("You are short")
26
27
28
```

The right-hand pane shows the 'Ayuda' (Help) tab with a 'Uso' (Usage) section. Below it, the 'Terminal de Python' (Python Terminal) shows the execution of the script. The output is as follows:

```
In [23]: runfile('C:/Users/David/Desktop/Indutria 4.0/Simple_AI.py', wdir='C:/Users/David/Desktop/Indutria 4.0')
What is your name?Jesus
Hi!! Jesus
What is your age?
18
What is your height?
165
You are 18.0 years
You can now vote
You can to have driving permit. Do you have it?(Y/N)
You can get a driving lincese
You are medium
In [24]:
```

The bottom status bar indicates the file encoding is UTF-8, the line ending is CRLF, and the current line and column are 20 and 16 respectively.

This code your name,age If you have more that 18 years, prints a messange that “You can vote”, if not it print’s “You don’t cant vote”. As well and aks for if you have driving lincense, If your answer is Yes print’s “You can drive”, If not it prints “You can get driving lincese”.