Student's name: Carlos Elizalde Murillo

Grade: 1

Group: A

Major: ITI

Industria 4.0 Project

Activity 01 – Python introduction

In this activity I do a profile by hobbies for my and my age if I mayor or menor of age.

```
PROFILE='------------------------------------------------'
ID='193111188'
NAME='Carlos'
LAST='Elizalde'
AGE= 22
MAYOR= True
MENOR=False
MUSICIAN= True


print(PROFILE)
```

```python
print ('{:10}{}'.format('ID: ', ID))

print(PROFILE)

print ('{:10}{} {}'.format('NAME:  ',LAST,NAME))

print ('{:10}{}'.format('AGE: ', AGE , 'years'))

print(DIVIDER)

print("MAJOR:")

print ('{:10}{}'.format('MAYOR DE EDAD', MAYOR))

print ('{:10}{}'.format('MENOR DE EDAD: ', MENOR))

print ('{:10}{}'.format('HOBBY', MUSICIAN))

print(PROFILE)
```

Activity 02 – Simple AI

In this activity I ask to the usure if they like some music, depends of his answer, the IA respond with something else.

```python
username = 'Charly'

level = 0

musica = None

rock= None

pop=None

rap= None
```

```python
print(f'Hello, {username}' )


# Ask user input
print("Te hare algunas preguntas sobre la musica que te gusta, para ver si
eres un melomano de verdad (Sino quieres contestar entonces no lo eres)")
print(" ")
print("Comencemos")
print(" ")
musica=input(' ')
if(musica != ''):
        level = level + 1
print(" El ser humano no puede vivir sin musica, asi que si quieres puedes
decirme cuanto te gusta,sino solo presiona enter")
rock = input('Ahora dinos que banda de de rock te gusta mas, Metallica,
Nirvana o Panda ')
if(rock != ''):
        if rock == 'Metallica':
                level = level + 1
        elif rock == 'Nirvana':
                level = level + 1
        elif rock == 'Panda':
                print(f'Come onb({str_gender})! No sabes de musica amigo')
        else:
                print(f'({rock}) No existe en mi base de datos ')
print(" ")
pop= input('Ahora dinos que banda de pop o cantante te gusta')
if pop != '':
        level = level + 1
print(" ")
```

```python
rap= input('Por ultimo dinos si te gusta el rap,sino,presiona enter')
if rap != '':
        level = level + 1
print(" ")
# Selection of the response
if level == 0:
        print( f'No sabes nada sobre buena musica ')
elif level <4:
        print( f' Te gusta buena musica pero no eres melomano')
else:
        print( f"Gracias{username}. Vaya que eres un melomano" )
```

Activity 03 – CVS Introduction

I create a new project with GitHub with my activities

https://github.com/CarlosEM931/Carlos-Elizalde-Murillo-.git

Activity 04- Target creation for Augmented Reality

This picture is good because I think has a lot of corners and is good por AR, and the videogame its very popular.