

Project: Final product

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Subject: Industria 4.0

Major: ITI Grade: 1 Group: A

Activity 01 – Python introduction

Objective: Create a simple program that prints a profile by using variables and formatting strings.

-This program print like a profil with the data that i set in my different type of variables.

```
DIVIDER='-----'
ID='193110382'
NAME='Yolotzin'
LAST='Romero'
AGE= 18
ARTISTIC= True
RIT=False
ACRO= True
print(DIVIDER)
print('{:10}{}'.format('ID: ', ID))
print(DIVIDER)
print('{:10}{} {}'.format('NAME: ',LAST,NAME))
print('{:10}{}'.format('AGE: ', AGE , 'years'))
print(DIVIDER)
print("SPORT:")
print('{:10}{}'.format('ARTISTIC GYMNASTICS: ', ARTISTIC))
print('{:10}{}'.format('RITHMIC GYMNASTICS: ', RIT))
print('{:10}{}'.format('ACROBATIC GYMNASTICS: ', ACRO))
print(DIVIDER)
```

Activity 02 – Simple AI

Objective: Create a simple program that asks for user data and changes the output based on that data.

-This program has different output depending about what input data do you enter, and it tells you if you are interesting or not. (si eres interesante o no)

```
username = 'Pal'
```

```
level = 0
```

```
gossip = None
```

```
music= None
```

```
book=None
```

```
major= None
```

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

```
# Ask user input
```

```
print("I will ask for some questions to rate your level of How interestig are you (leave it blank if you don't want to tell me)")
```

```
print(" ")
```

```
print("Let's start")
```

```
print(" ")
```

```
gossip=input('Gossip is my passion, so if you have a good gossip write it here (if not press enter to continue): ')
```

```
if(gossip != ""):
```

```
    level = level + 1
```

```
print(" ")
```

```
music = input('Everybody loves music, if you have to choose between pop, rock or reggaeton What would you choose (if you do not like any of this kind of music press enter to continue): ')
```

```
if(music != ""):
```

```

    if music == 'pop':
        level = level + 1
    elif music == 'rock':
        level = level + 1
    elif music == 'reggaeton':
        print(f'Come on({str_gender})! you need to listen more kind of music')
    else:
        print(f'({music}) does not exist in my database ')

print(" ")

book= input('Reading is important in our lifes, write down Which was the book that change
your life:')

if book != "":
    level = level + 1

print(" ")

major= input('What major do you study? (if you do not study press enter to finish with this
Awkward questionnaire):')

if major != "":
    level = level + 1

print(" ")

# Selection of the response

if level == 0:
    print( f'Whitout offending you, you are really bored, Come back when you have
some interesting stuff to tell me ')

elif level <4:
    print( f' You are interesting but it is not enough, sorry :c ')

else:
    print( f'Thx {username}. You are a crack and you are very interesting, i need to
meet you right now." )

```

Activity 03 – CVS Introduction

Objective: Create a new project in a GIT platform (GitHub or GitLab for example) with a readme file and activities you have up to this point

This is my Git's Link.

<https://github.com/Yolotzin-Araceli/Industria-4.0-SecondCut.git>

Activity 04 – Target creation for Augmented Reality

-I chose this image because I think it has a lot of features/corners and it works when we want to work with 3D objects or Augmental Reality and also because it has a good contrast (whiter and black).

-Escogí esta imagen porque pienso que tiene demasiadas esquinas que sirven como muy buenos marcadores, y también tiene un buen contraste, por ende, es una imagen que sirve para cuando queramos crear objetos 3D o trabajar con Realidad Aumentada.

