Universidad Politécnica Metropolitana de Hidalgo

ORGANISMO DESCENTRALIZADO DE LA ADMINISTRACIÓN PÚBLICA ESTATAL

SECOND CUT PROJECT

Aguilar Quintero Heber Livan.

1° A ITI.

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Activity 01 – Python introduction

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

My code prints a perfil of a soccer player and mention if he has a scholarship or not.

```
DIVIDER="****************************"
AGE="19"
NAME="LIVAN"
LAST_NAME="AGUILAR"
ID ='193111844'
SPORT="SOCCER"
HEIGHT="1.77"
SCHOLARSHIP= True
print(DIVIDER)
print('{:10}{}'.format('ID:', ID))
print(DIVIDER)
print('{:10}{} {}'.format('NAME: ', LAST_NAME, NAME))
print('{:10}{}'.format('AGE: ', AGE))
print('{:10}{}'.format('HEIGHT: ', HEIGHT))
print('{:10}{}'.format('SPORT: ', SPORT))
print('{:10}{}'.format('SCHOLARSHIP: ', SCHOLARSHIP))
print(DIVIDER)
```

Activity 02 – Simple AI

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

My code ask about some question related to soccer and depending of the correct answers it is going to tell how much do you know about futbol.

```
ai = 'Livan'

n=0

print ('Welcome to a artifical inteligence about football')

print ('Do you know anything about football?')

print ('y/n:')

level=input()

if level == 'y':

   print ("Then let me ask you some questions")

   print ("What is your name?")

   name=input()

   print ("Nice to meet you {}".format(name), "I'm Livan")

   print ("Can you tell me in which year was the first mundial played?")

   year=input()

   if year=="1930":

      n=n+1

      print ("Correct answer! Do you know when FC Barcelona was created?")

      fc=input()

      if fc =="1899":

         n=n+1

         print("The last question is hard.  What is the name of the german league?")

         german=input()

         if german=="bundesliga":

            n=n+1

            print("Wow, you reached a level {}".format(n) , "You are a master!")

         else:
```

```
            print ("I think you are not prepared for this, sorry")
            print ("Goodbye")
    else:
        print("Wrong. The last question is hard.  What is the name of the german league?")
        german=input()
        if german=="bundesliga" or "Bundesliga":
            n=n+1
            print("You reached a level {}".format(n))
        else:
            print ("I think you are not prepared for this, sorry")
            print ("Goodbye")
else:
    print ("Wrong answer, it was on 1930. Do you know when FC Barcelona was created?")
    fc=input()
    if fc =="1899":
        n=n+1
        print("The last question is hard.  What is the name of the german league?")
        german=input()
        if german=="bundesliga":
            n=n+1
            print("Wow, you reached a level {}".format(n) , "You are a master!")
        else:
            print ("I think you are not prepared for this, sorry")
            print ("Goodbye")
    else:
        print("Wrong. The last question is hard.  What is the name of the german league?")
        german=input()
        if german=="bundesliga" or "Bundesliga":
            n=n+1
```

```
            print("You reached a level {}".format(n))
        else:
            print ("I think you are not prepared for this, sorry")
            print ("Goodbye")

else:
    print ("Then I think you are not prepared for this, sorry")
    print ("Goodbye")
```

Activity 03 – CVS Introduction

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

https://github.com/livan0712/LivanHL11.git

This is my link.

Activity 04 – Target creation for Augmented Reality

Design a simple AR application mockup. The marker will be evaluated by Vuforia's standards.

I select This image because i think it has a really good contrast and a lot of markets which Vuforia could work.