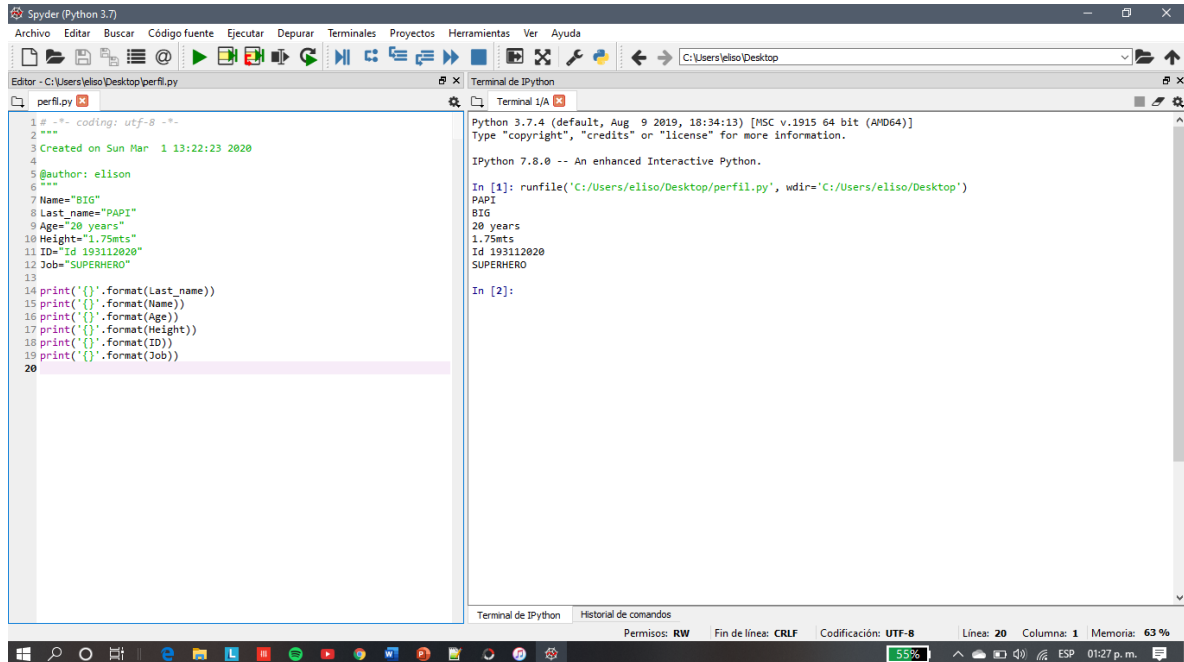


Phyton

INDUSTRIA 4.0

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1. PROFILE



The screenshot shows the Spyder Python IDE interface. The editor on the left contains a Python script named `perfil.py` with the following code:

```
1 # -*- coding: utf-8 -*-
2 """
3 Created on Sun Mar 1 13:22:23 2020
4
5 @author: elison
6 """
7 Name="BIG"
8 Last_name="PAPI"
9 Age="20 years"
10 Height="1.75mts"
11 ID="Id 193112020"
12 Job="SUPERHERO"
13
14 print('{}'.format>Last_name))
15 print('{}'.format(Name))
16 print('{}'.format(Age))
17 print('{}'.format(Height))
18 print('{}'.format(ID))
19 print('{}'.format(Job))
20
```

The IPython terminal on the right shows the execution of the script:

```
Python 3.7.4 (default, Aug 9 2019, 18:34:13) [MSC v.1915 64 bit (AMD64)]
Type "copyright", "credits" or "license" for more information.

IPython 7.8.0 -- An enhanced Interactive Python.
>>>
In [1]: runfile('C:/Users/eliso/Desktop/perfil.py', wdir='C:/Users/eliso/Desktop')
PAPI
BIG
20 years
1.75mts
Id 193112020
SUPERHERO
In [2]:
```

2. CODE PY

Name="BIG"

Last_name="PAPI"

Age="20 years"

Height="1.75mts"

ID="Id 193112020"

Job="SUPERHERO"

print('{}'.format>Last_name))

print('{}'.format(Name))

print('{}'.format(Age))

print('{}'.format(Height))

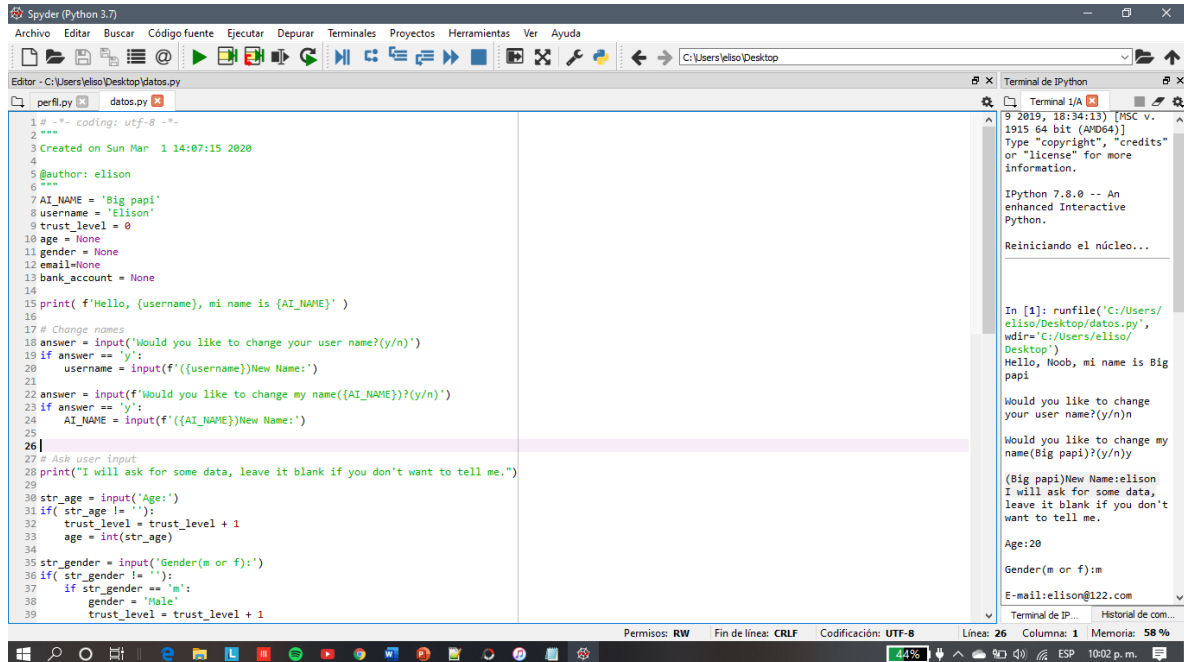
print('{}'.format(ID))

print('{}'.format(Job))

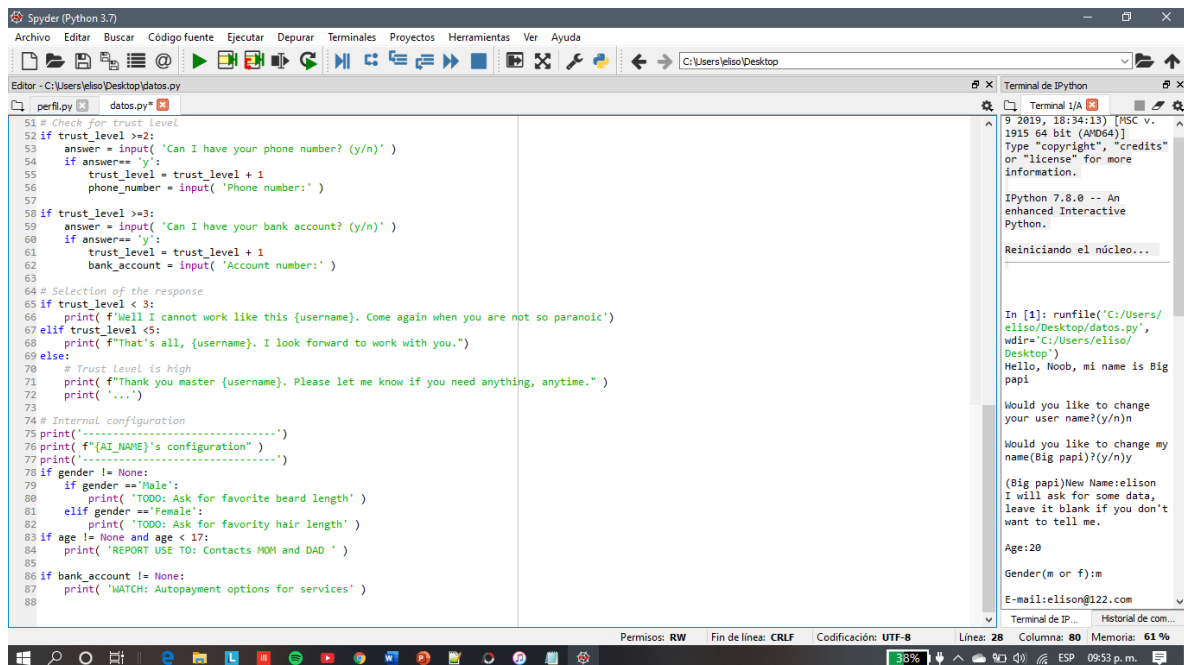
3. DESCRIPTION

In this simple program we can print a superhero identification card.

1. DATA



```
1 # -*- coding: utf-8 -*-
2 """
3 Created on Sun Mar 1 14:07:15 2020
4
5 @author: elison
6 """
7 AI_NAME = 'Big papi'
8 username = 'Elison'
9 trust_level = 0
10 age = None
11 gender = None
12 email=None
13 bank_account = None
14
15 print( f'Hello, {username}, mi name is {AI_NAME}')
16
17 # Change names
18 answer = input('Would you like to change your user name?(y/n)')
19 if answer == 'y':
20     username = input(f'({username})New Name:')
21
22 answer = input(f'Would you like to change my name({AI_NAME})?(y/n)')
23 if answer == 'y':
24     AI_NAME = input(f'({AI_NAME})New Name:')
25
26 |
27 # Ask user input
28 print("I will ask for some data, leave it blank if you don't want to tell me.")
29
30 str_age = input('Age:')
31 if( str_age != '' ):
32     trust_level = trust_level + 1
33     age = int(str_age)
34
35 str_gender = input('gender(m or f):')
36 if( str_gender != '' ):
37     if str_gender == 'm':
38         gender = 'Male'
39         trust_level = trust_level + 1
```



```
51 # Check for trust level
52 if trust_level >=2:
53     answer = input( 'Can I have your phone number? (y/n) ' )
54     if answer== 'y':
55         trust_level = trust_level + 1
56         phone_number = input( 'Phone number:' )
57
58 if trust_level >=3:
59     answer = input( 'Can I have your bank account? (y/n) ' )
60     if answer== 'y':
61         trust_level = trust_level + 1
62         bank_account = input( 'Account number:' )
63
64 # Selection of the response
65 if trust_level < 3:
66     print( f'Well I cannot work like this {username}. Come again when you are not so paranoic')
67 elif trust_level <5:
68     print( f'That's all, {username}. I look forward to work with you.')
69 else:
70     # Trust level is high
71     print( f'Thank you master {username}. Please let me know if you need anything, anytime.' )
72     print( '...' )
73
74 # Internal configuration
75 print('-----')
76 print( f'({AI_NAME})'s configuration" )
77 print('-----')
78 if gender != None:
79     if gender == 'Male':
80         print( 'TODO: Ask for favorite beard length' )
81     elif gender == 'female':
82         print( 'TODO: Ask for favority hair length' )
83 if age != None and age < 17:
84     print( 'REPORT USE TO: Contacts MOM and DAD ' )
85
86 if bank_account != None:
87     print( 'WATCH: Autopayment options for services' )
88
```

2. DESCRIPTION

This program asks us for personal data and saves the configuration.

3. CODE PY

```
# -*- coding: utf-8 -*-
```

```
"""
```

```
Created on Sun Mar 1 14:07:15 2020
```

```
@author: elison
```

```
"""
```

```
AI_NAME = 'Big papi'
```

```
username = 'Elison'
```

```
trust_level = 0
```

```
age = None
```

```
gender = None
```

```
email=None
```

```
bank_account = None
```

```
print( f'Hello, {username}, mi name is {AI_NAME}' )
```

```
# Change names
```

```
answer = input('Would you like to change your user name?(y/n)')
```

```
if answer == 'y':
```

```
username =
```

```
input(f'({username})New Name:')
```

```
answer = input(f'Would you like to change my name({AI_NAME})?(y/n)')
```

```
if answer == 'y':
```

```
AI_NAME =
```

```
input(f'({AI_NAME})New Name:')
```

n

Ask user input

print("I will ask for some data, leave it blank if you don't want to tell me.")

str_age = input('Age:')

if(str_age != ""):

trust_level = trust_level + 1

age = int(str_age)

str_gender = input('Gender(m or f):')

if(str_gender != ""):

if str_gender == 'm':

gender = 'Male'

trust_level = trust_level + 1

elif str_gender == 'f':

gender = 'Female'

trust_level = trust_level + 1

else:

print(f'({str_gender}) does not

exist in my database ')

str_email = input('E-mail:')

if str_email != "":

trust_level = trust_level + 1

email = str_email

Check for trust level

if trust_level >=2:

phone number? (y/n)')

'Phone number:')

if trust_level >=3:

bank account? (y/n)')

'Account number:')

Selection of the response

if trust_level < 3:

print(f'Well I cannot work like this
{username}. Come again when you are not so paranoic')

elif trust_level <5:

forward to work with you.")

else:

Internal configuration

print('-----')

print(f"{AI_NAME}'s configuration")

answer = input('Can I have your

if answer== 'y':

trust_level = trust_level + 1

phone_number = input(

answer = input('Can I have your

if answer== 'y':

trust_level = trust_level + 1

bank_account = input(

print(f"That's all, {username}. I look

Trust level is high

print(f"Thank you master

{username}. Please let me know if you need anything, anytime.")

print('...')

```
print('-----')
```

```
if gender != None:
```

```
    beard length' )
```

```
    hair length' )
```

```
if age != None and age < 17:
```

```
    MOM and DAD ' )
```

```
if bank_account != None:
```

```
    options for services' )
```

```
if gender == 'Male':
```

```
    print( 'TODO: Ask for favorite
```

```
elif gender == 'Female':
```

```
    print( 'TODO: Ask for favority
```

```
print( 'REPORT USE TO: Contacts
```

```
print( 'WATCH: Autopayment
```