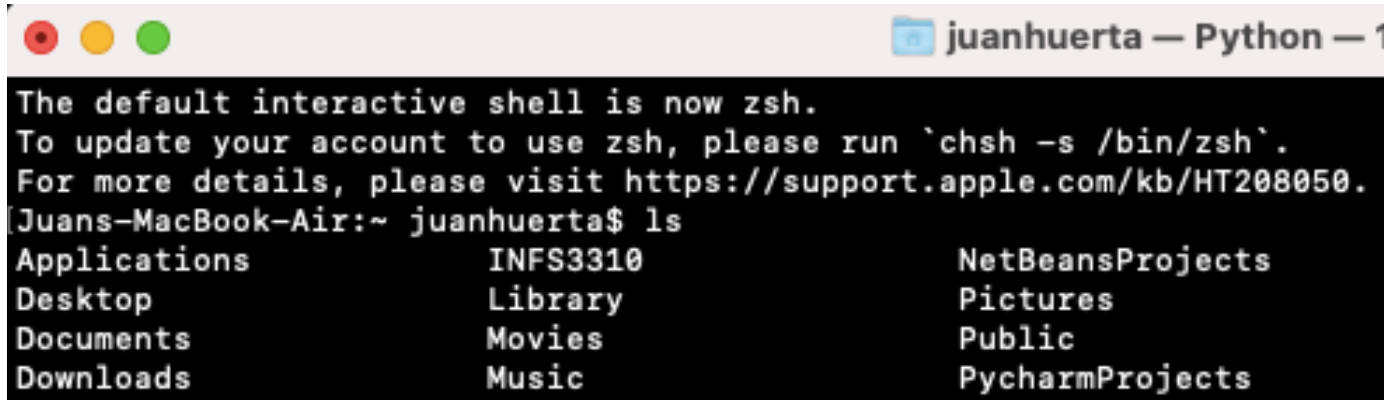


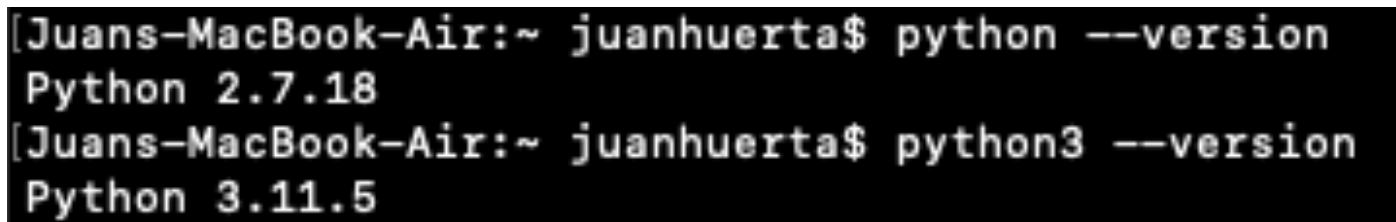
## HW PYTHON PLATFORMS



The terminal window shows the default interactive shell is now zsh. It provides instructions to update the account to use zsh by running 'chsh -s /bin/zsh'. It also provides a link for more details: https://support.apple.com/kb/HT208050. The user then runs 'ls' to list the contents of the home directory.

```
Juans-MacBook-Air:~ juanhuerta$ ls
```

Applications	INFS3310	NetBeansProjects
Desktop	Library	Pictures
Documents	Movies	Public
Downloads	Music	PycharmProjects

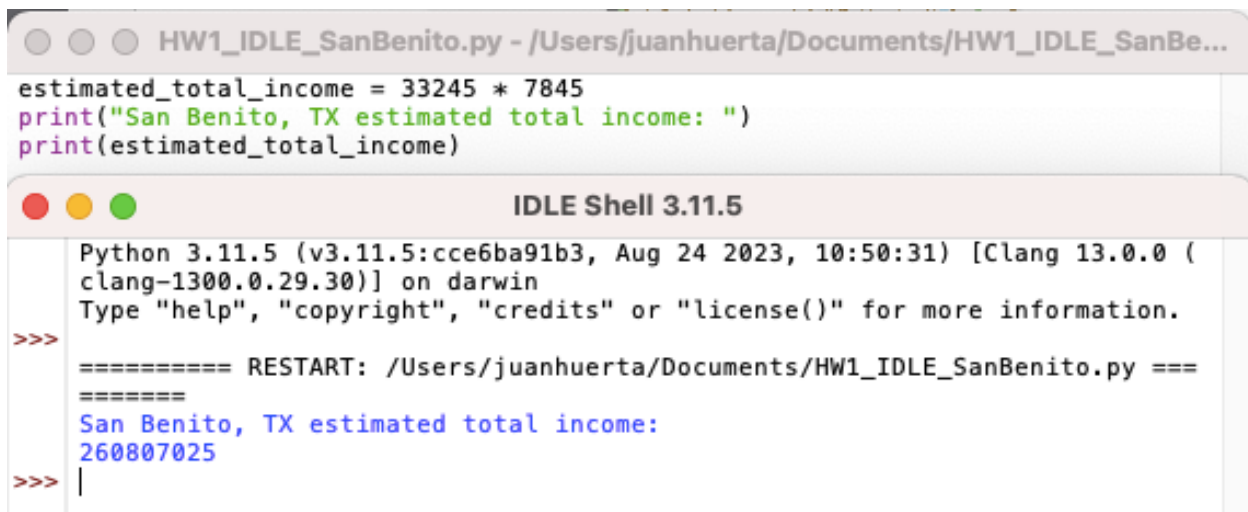
The terminal window shows the user running 'python --version' and 'python3 --version' to check the installed versions of Python.

```
Juans-MacBook-Air:~ juanhuerta$ python --version
Python 2.7.18
Juans-MacBook-Air:~ juanhuerta$ python3 --version
Python 3.11.5
```

## STEP 2 – HELLO WORLD AND HACKED COMMAND IN COMMAND PROMPT TERMINAL

```
Juans-MacBook-Air:~ juanhuerta$ python3
Python 3.11.5 (v3.11.5:cce6ba91b3, Aug 24 2023, 10:50:31) [Clang 13.0.0 (clang-1300.0.29.30)] on darwin
Type "help", "copyright", "credits" or "license" for more information
>>> print("Hello World!")
Hello World!
>>> print("Song: For Whom the Bells Toll\nReleased: 1984\nAlbum: Riding the Lightning\nArtist: Metallica\nGenre: Metal")
Song: For Whom the Bells Toll
Released: 1984
Album: Riding the Lightning
Artist: Metallica
Genre: Metal
>>> exit()
Juans-MacBook-Air:~ juanhuerta$
```

## STEP 4 – IDLE SHELL FIRST PROGRAM



The screenshot shows a code editor window titled "HW1\_IDLE\_SanBenito.py - /Users/juanhuerta/Documents/HW1\_IDLE\_SanBe..." containing the following Python code:

```
estimated_total_income = 33245 * 7845
print("San Benito, TX estimated total income: ")
print(estimated_total_income)
```

Below the editor is the "IDLE Shell 3.11.5" window. It displays the Python version and system information, followed by a restart message and the output of the script:

```
Python 3.11.5 (v3.11.5:cce6ba91b3, Aug 24 2023, 10:50:31) [Clang 13.0.0 (clang-1300.0.29.30)] on darwin
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: /Users/juanhuerta/Documents/HW1_IDLE_SanBenito.py =====
>>> San Benito, TX estimated total income:
260807025
>>> |
```

## STEP 5 – SPYDER FIRST PROGRAM – PERSONS PER HOUSEHOLD

```
/juanhuerta/Desktop/Python/HW1_Spyder_SanBenito.py

X temp.py X HW1_Spyder_SanBenito.py*

#!/usr/bin/env python3
# -*- coding: utf-8 -*-
"""
Created on Tue Sep  5 12:45:14 2023

@author: juanhuerta
"""

persons_per_household = 24861/7845
print("San Benito, TX average persons per household: ")
print(persons_per_household)
```

```
X Console 1/A

Python 3.9.14 (main, Sep  7 2022, 14:27:29)
Type "copyright", "credits" or "license" for more information.

IPython 8.14.0 -- An enhanced Interactive Python.

In [1]: runfile('/Users/juanhuerta/Desktop/Python/
HW1_Spyder_SanBenito.py', wdir='/Users/juanhuerta/Desktop/Python')
San Benito, TX average persons per household:
3.1690248565965584

In [2]:
```