



ESPE

UNIVERSIDAD DE LAS FUERZAS ARMADAS

INNOVACIÓN PARA LA EXCELENCIA



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OOP

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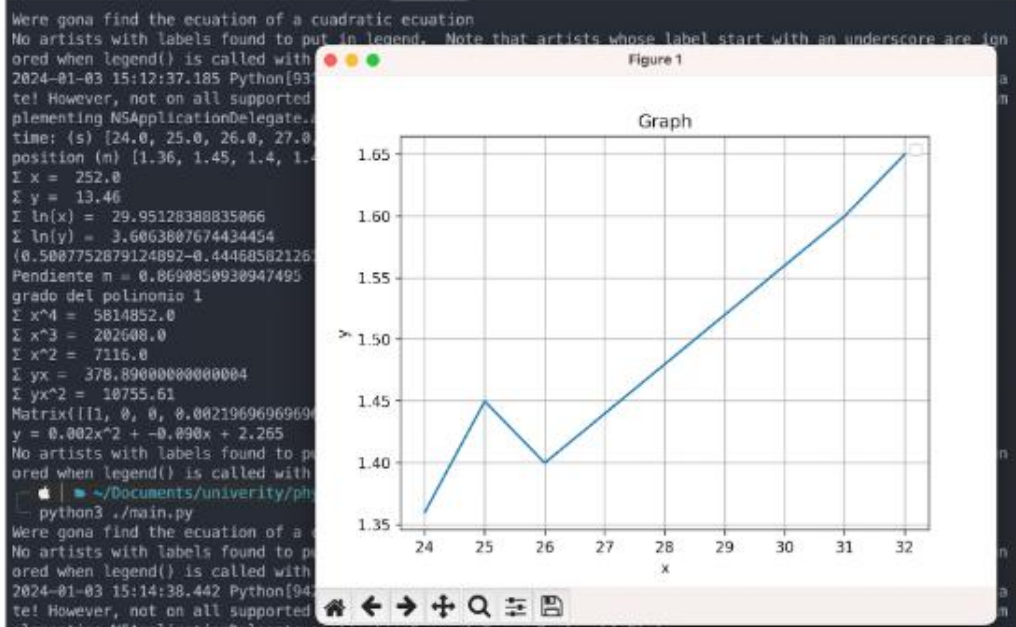
```
import csv
import sympy as sp
import numpy as np
import matplotlib.pyplot as plt
import grapher

class EquationFinder:
    def __init__(self, file_path):
        print("Here gona find the ecuation of a cuadratic ecuation")
        with open(file_path, newline='', encoding='latin-1') as csvfile:
            reader = csv.reader(csvfile, delimiter=',')
            self.f1 = []
            self.f2 = []
            for row in reader:
                self.f1.append(row[0])
                self.f2.append(row[1])

    def depureColumn(self, columnData):
        columnData = [float(x.replace(',', '.')) for x in columnData]
        return columnData

    def createFun(self, x, solvedSystem):
        (parameter) solvedSystem: Any
        return round(solvedSystem[0,3],3) * x**2 + round(solvedSystem[1,3],3) * x +round (solvedSystem[2,3],3)

    def ln(self, x):
```



```
import EcuacionFinder

def main():
    ecuacion_finder = EcuacionFinder.EcuacionFinder("./tramo3.csv")
    ecuacion_finder.findEcuacion()

if __name__ == "__main__":
    main()
```

