

Universidad de las Fuerzas Armadas ESPE Unidad de Educación a Distancia



INGENIERÍA EN TECNOLOGÍAS DE LA INFORMACIÓN

ASIGNATURA: Programación Orienta a Objetos

NRC: 16362

DOCENTE: Jaramillo Montaño Luis Enrique

ESTUDIANTE: Fajardo Collaguazo Roberto Manuel

PERIODO: 2023 -2024

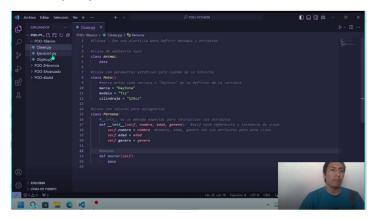
TEMA: POO CON PYTHON

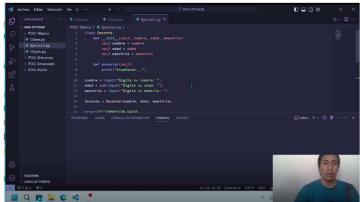
1. Link de enlace: https://github.com/FajardoRM/POO-Java.git

2. Capturas de Pantalla del Código POO de Python

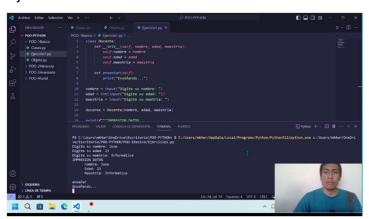
---- LO BÁSICO DE POO ----

Clases y objetos:

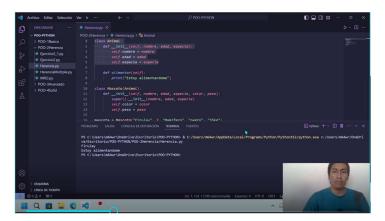




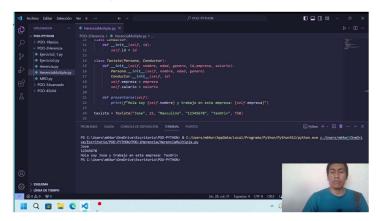
Ejercicio 1:



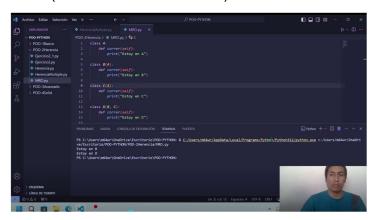
Herencia:



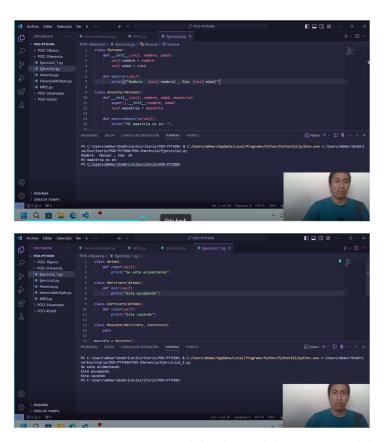
Herencia multiple:



MRO (Méthod Resolution Order)

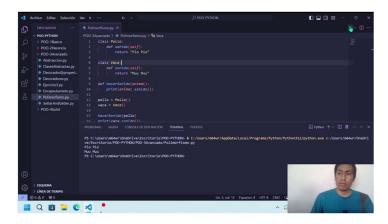


Ejercicio 2:

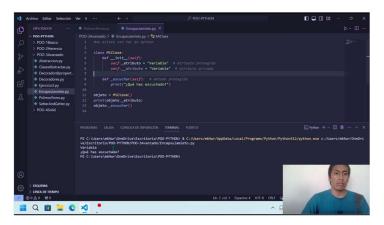


---- CONCEPTOS AVANZADOS ----

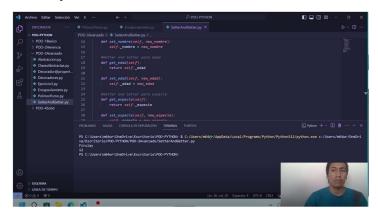
Polimorfismo:



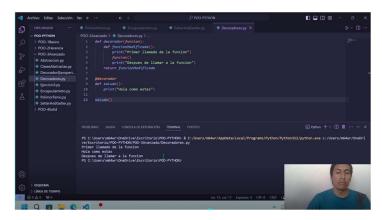
Encapsulamiento:



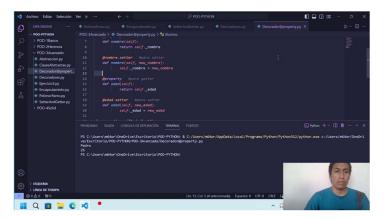
Getter y Setter:



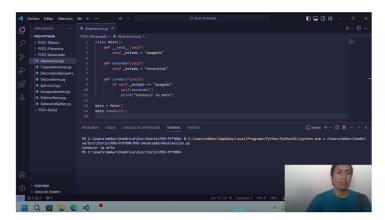
Decoradores:



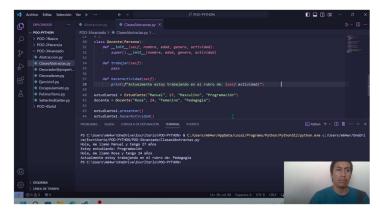
Decoradores @property



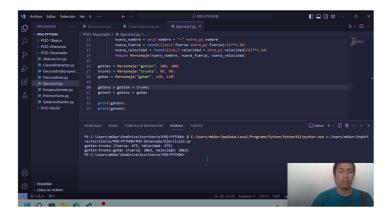
Abstracción:



Clases abstractas:

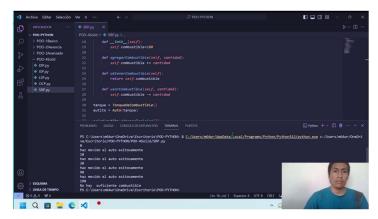


Ejerccio 3:

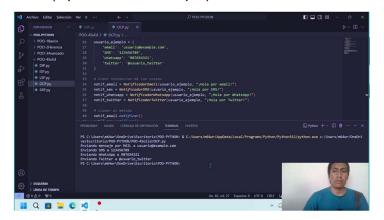


---- PRINCIPIOS SOLID ----

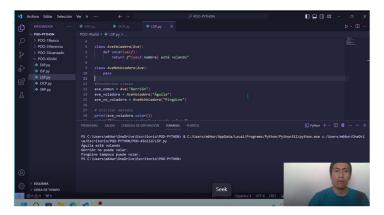
SRP (Single Responsibility Principle)



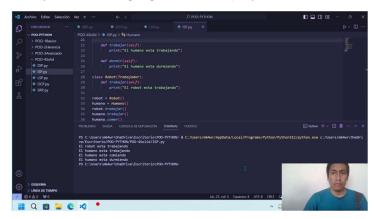
OCP (Open/Closed Principle)



LSP (Liskov's Substitution Principle)



ISP (Interface Segregation Principle)



DIP (Dependency Inversion Principle)

