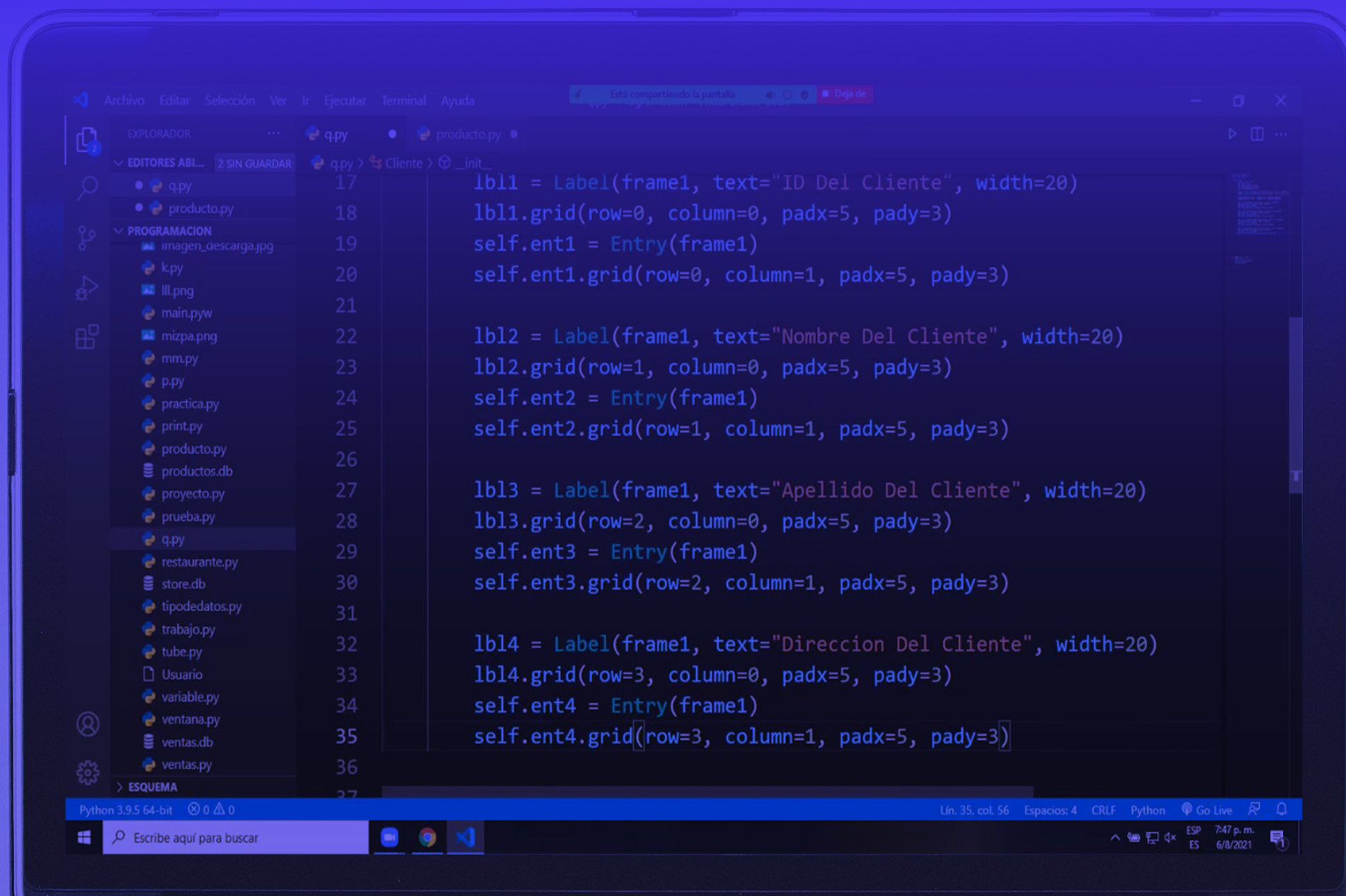




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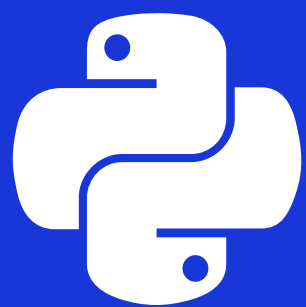


Python For Data Analyst



Introduction

In a data-driven world, knowing how to **transform data into valuable information is an essential skill**. This course is designed to guide you from the **fundamentals of Python to advanced analysis and modeling techniques, focused on solving real business problems**. It will allow you to master the creation of an applied **Machine Learning project step by step**.



Prerequisites

- No prior programming experience is required.
- Basic knowledge of Excel or data handling (is a plus, but not mandatory).

Objectives

- Explain the **basic concepts of Python**, including types, expressions, and variables.
- **Apply Python programming** using branches, loops, functions, objects, and classes.
- **Describe data structures in Python**, including lists, tuples, dictionaries, and sets.

Methodology



Synchronous sessions
based on practical cases
(**real cases**).

Duration



The course has a
duration of **32
chronological hours**
(**40 academic hours**).

Benefits



Internationally Valid
Certification.



Recognized Data and
Analytics Specialist
Instructors and
Consultants.



Support, guidance, and
development for
students.

Syllabus

Topic 1

*Introduction to
Programming
and Python*

Topic 2

*Introduction to
Data Structures
in Python*

Topic 3

*Introduction to
Pandas*

Topic 4

Statistics in Python

Topic 5

*Data Wrangling
and Cleaning in
Python*

Topic 6

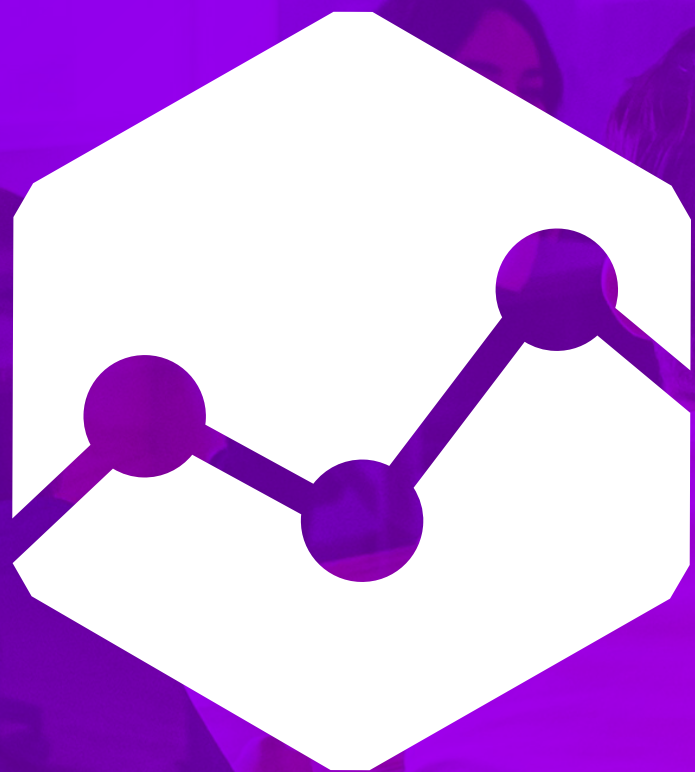
*Machine Learning
Models in Python:
Regression*

Topic 7

*Machine Learning
Models in Python:
Classification*

Topic 8

*Machine Learning
Models in Python:
Clustering and
Anomaly Detection*



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