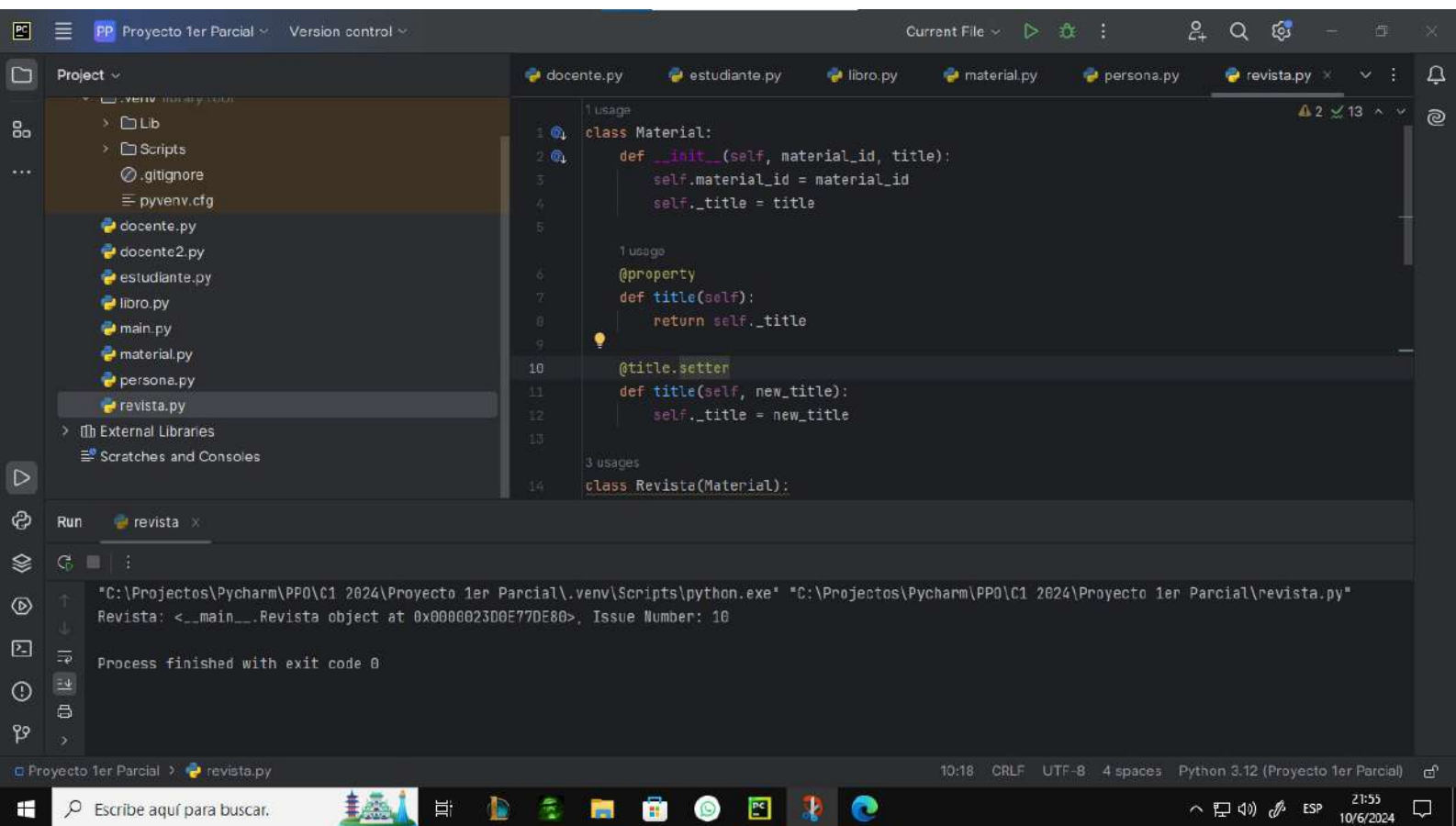


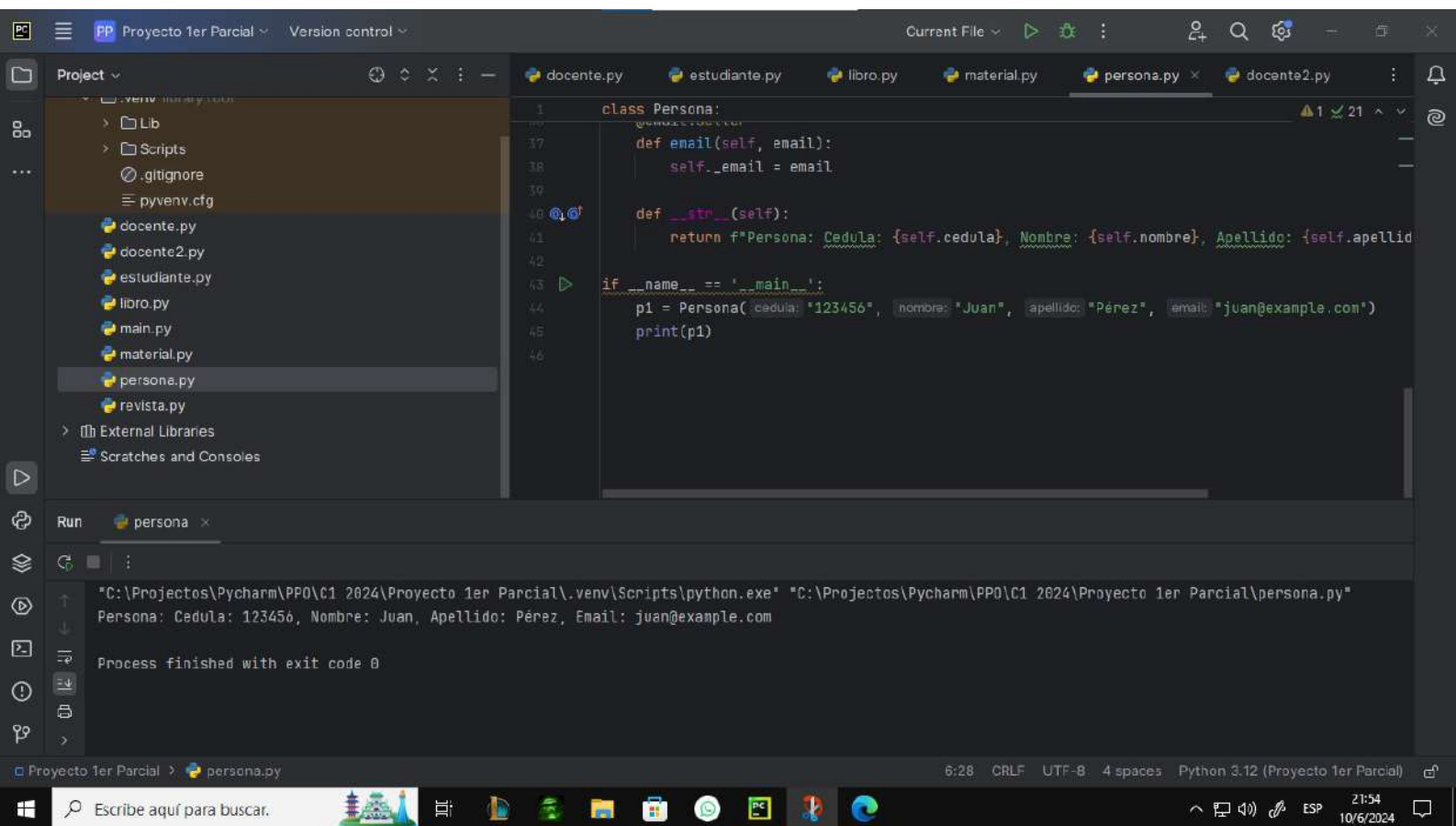
PyCharm interface showing a Python project named "Proyecto 1er Parcial". The left sidebar displays the project structure, including files like `docente.py`, `estudiante.py`, `libro.py`, `material.py`, `persona.py`, and `revista.py`. The main editor displays the code for `revista.py`, which defines a `Revista` class inheriting from `Material`. The class includes an `__init__` method, a property for `issue_number`, and a `__str__` method.

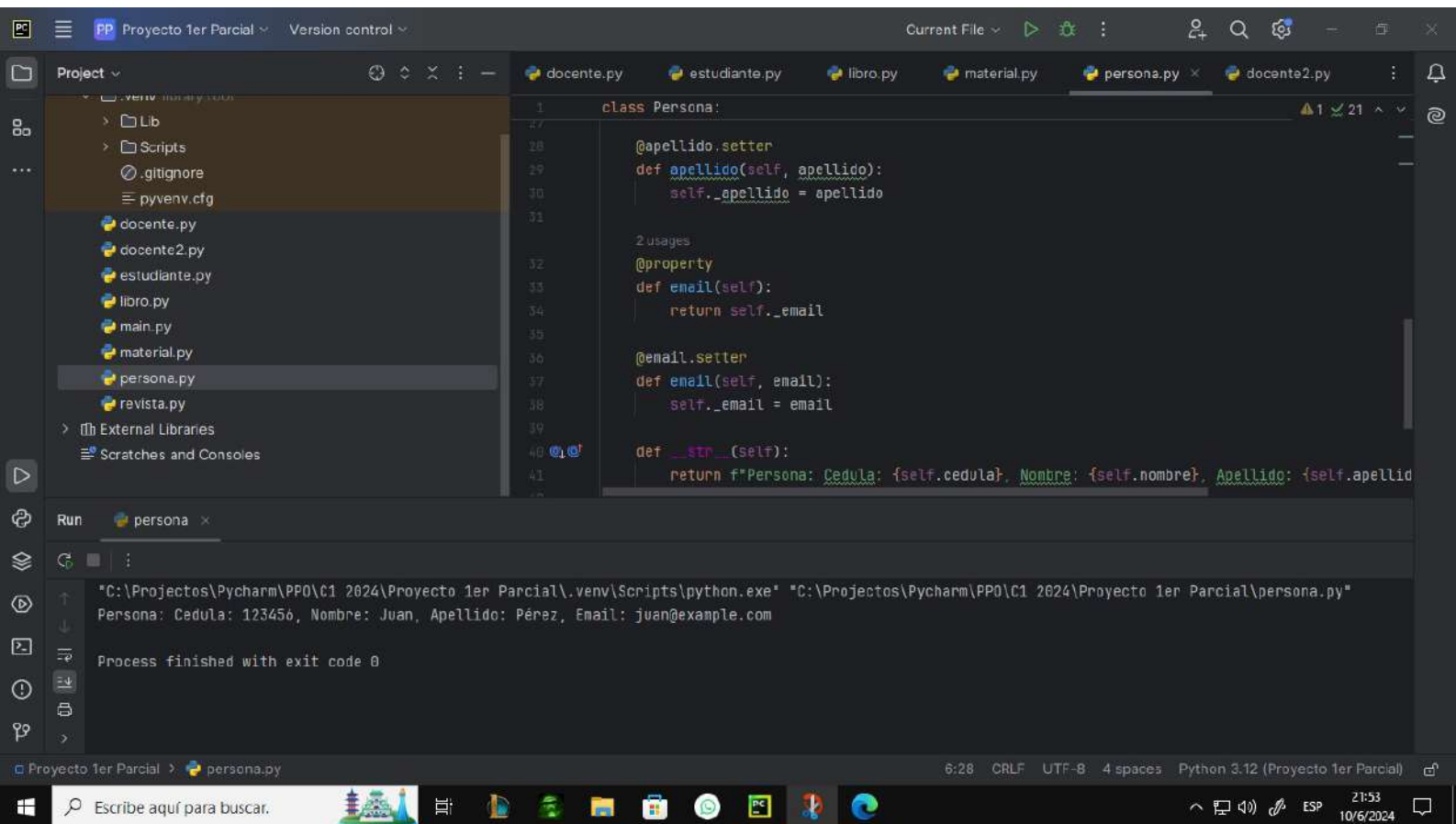
```
14 class Revista(Material):
15     def __init__(self, material_id, title, issue_number):
16         super().__init__(material_id, title)
17         self.issue_number = issue_number
18
19     @property
20     def issue_number(self):
21         return self._issue_number
22
23     @issue_number.setter
24     def issue_number(self, new_issue_number):
25         self._issue_number = new_issue_number
26
27     def __str__(self):
```

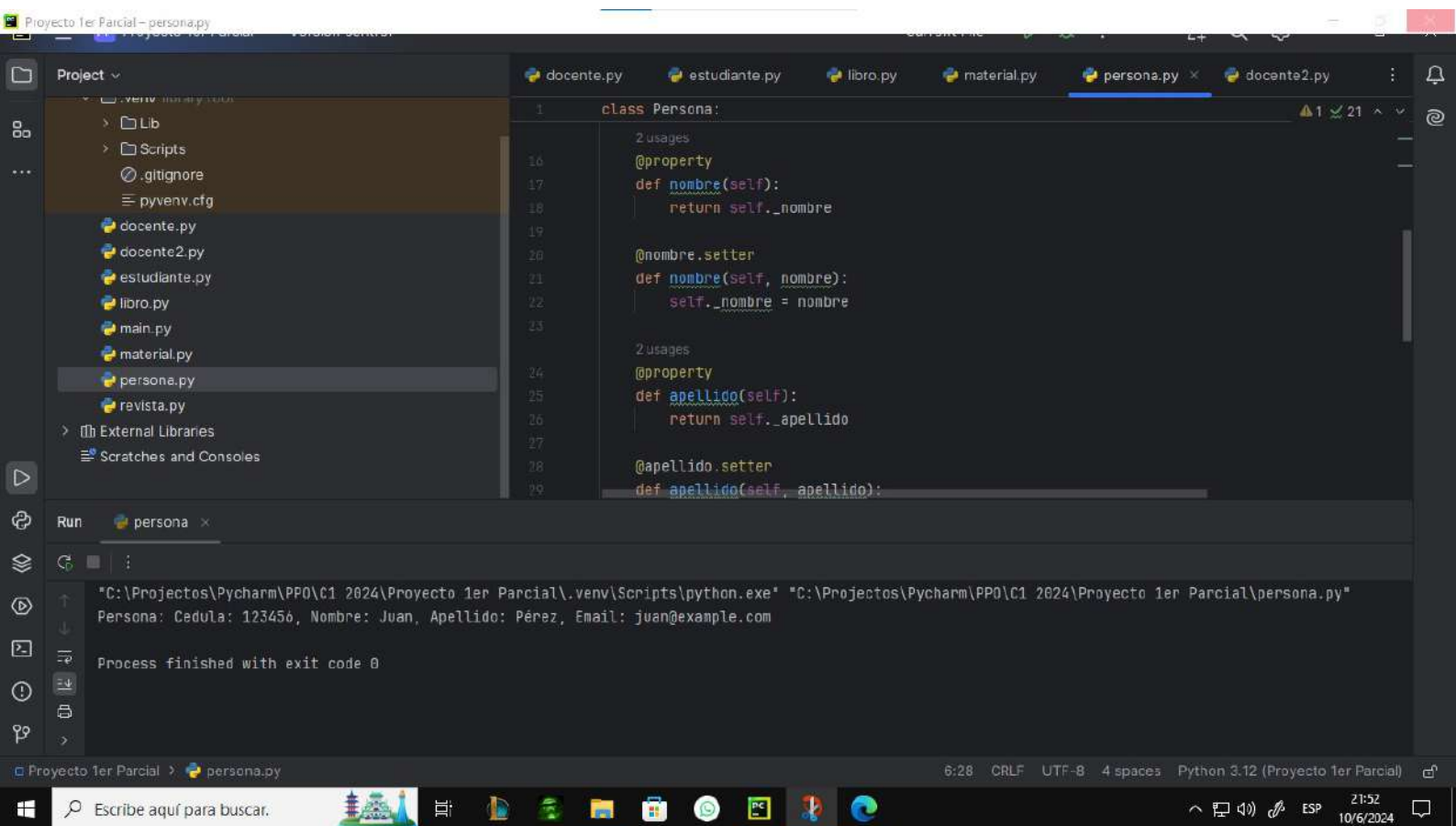
The Run console shows the execution of the script, displaying the output: "Revista: <__main__.Revista object at 0x0000023D0E770E80>, Issue Number: 10". The process finished with exit code 0.

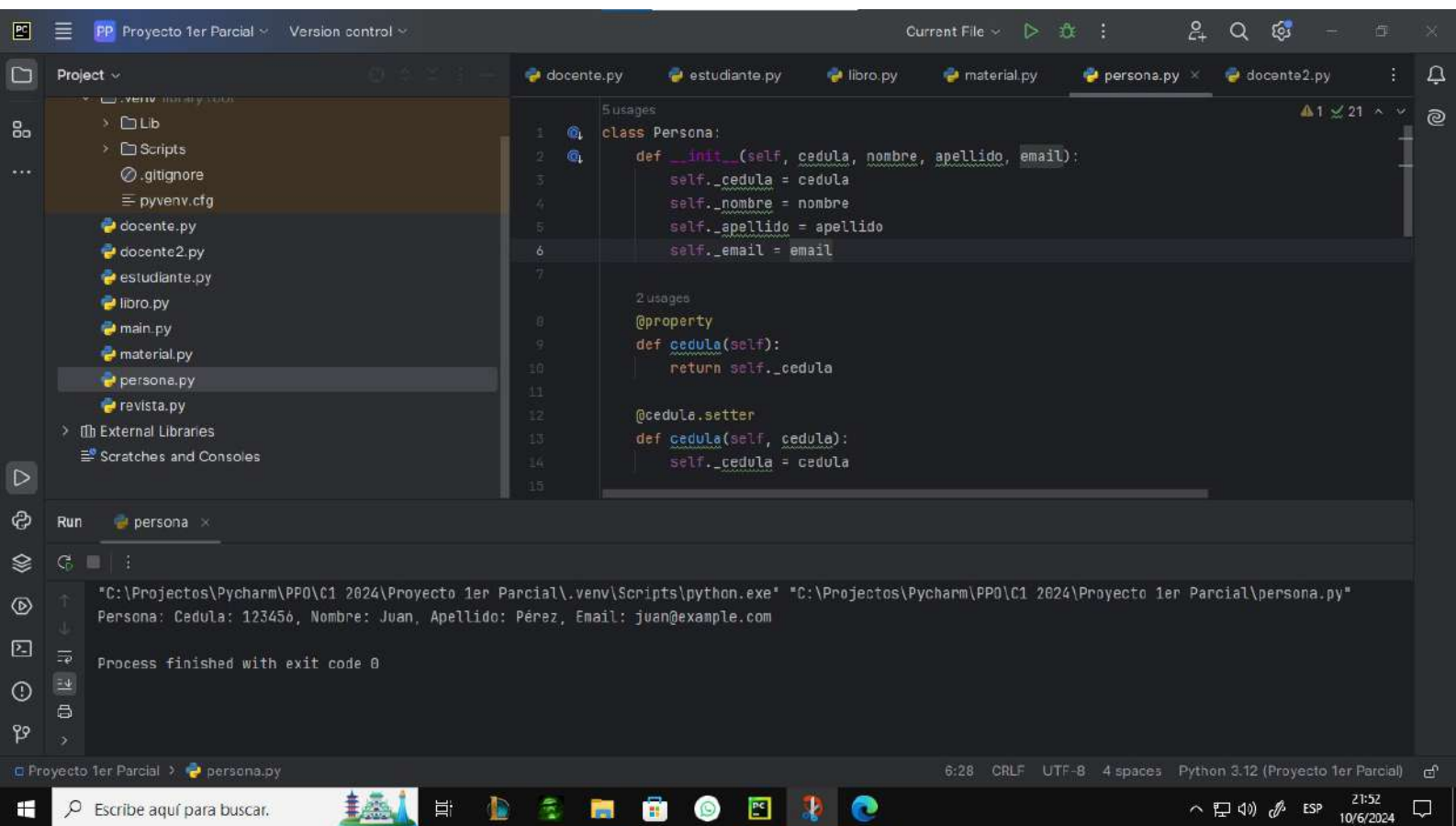
Bottom status bar: 10:18 CRLF UTF-8 4 spaces Python 3.12 (Proyecto 1er Parcial)

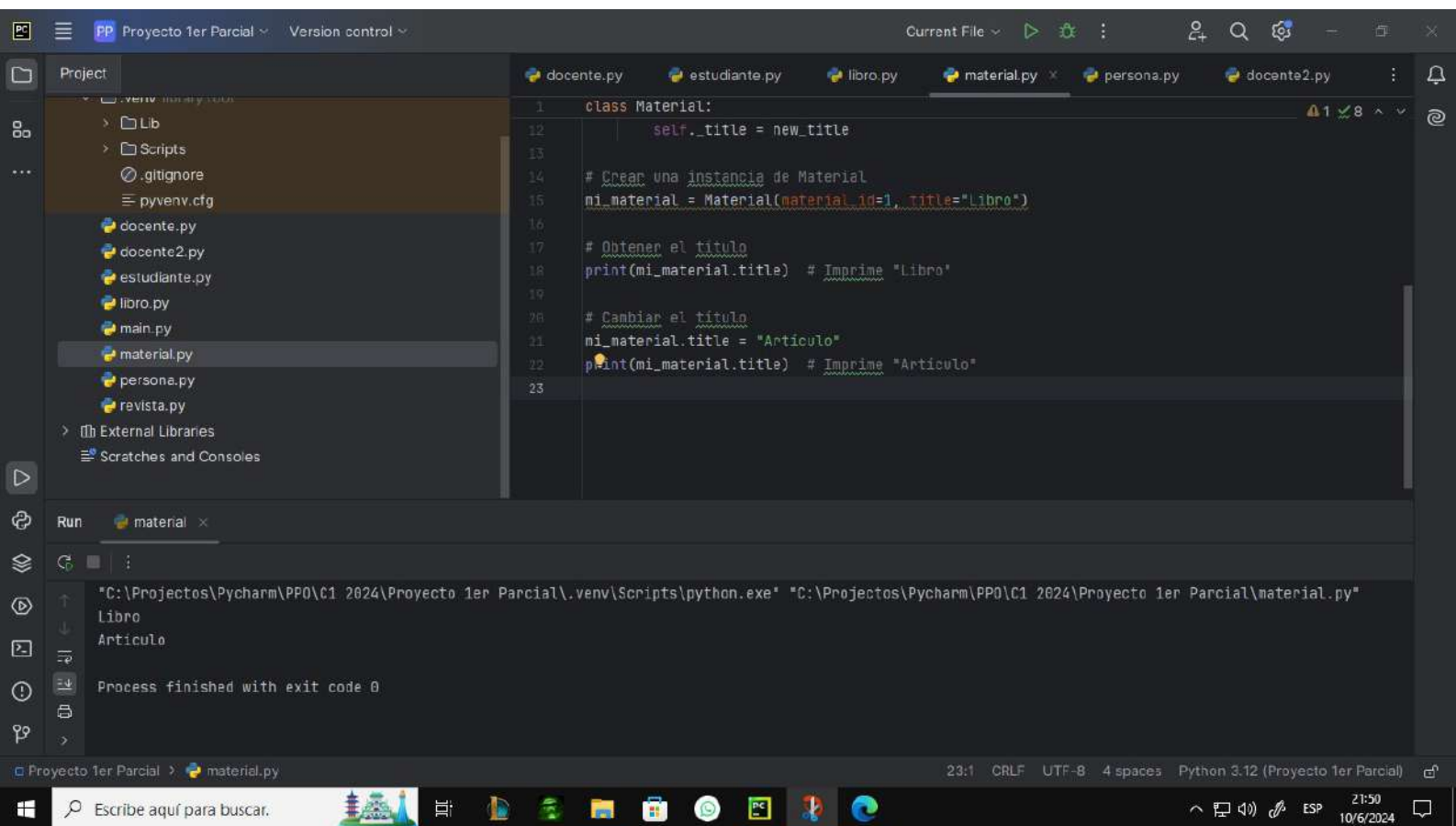


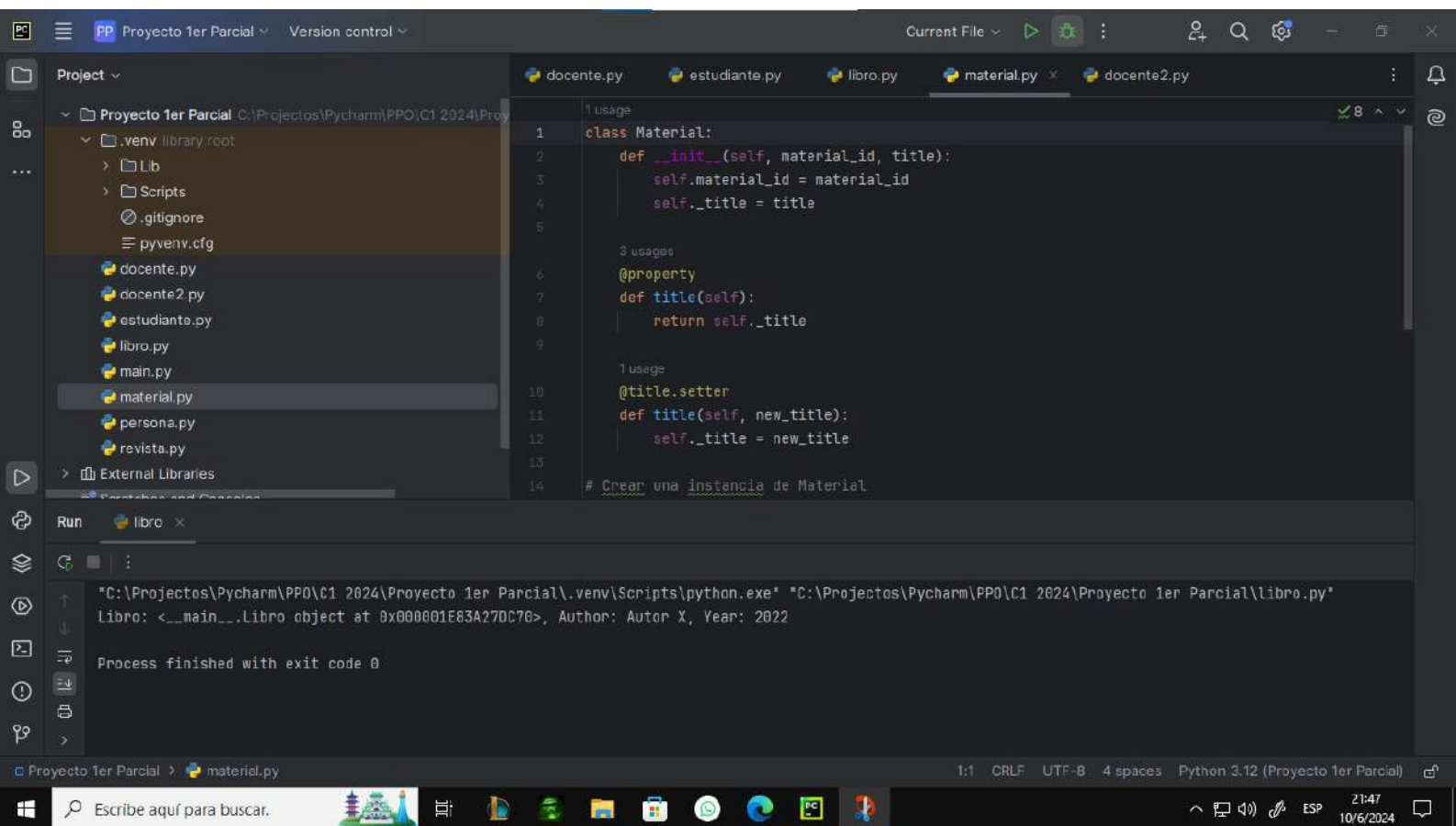












Projecto 1er Parcial ~ Version control ~ Current File ~

Project ~

- Projecto 1er Parcial C:\Proyectos\Pycharm\PP0\C1 2024\Proy
- .venv library root
 - Lib
 - Scripts
 - .gitignore
 - pyvenv.cfg
- docente.py
- docente2.py
- estudiante.py
- libro.py
- main.py
- material.py
- persona.py
- revista.py

External Libraries

Run ~ libro.py

```
3 usages
14 class Libro(Material):
15     def __init__(self, material_id, title, author, year):
16         super().__init__(material_id, title)
17         self.author = author
18         self.year = year
19
20     def __str__(self):
21         return f'Libro: {super().__str__()}, Author: {self.author}, Year: {self.year}'
22
23 # Crear una instancia de Libro
24 mi_libro = Libro(material_id=2, title='Novela', author='Autor X', year=2022)
25
26 # Obtener información del libro
27 print(mi_libro) # Imprime 'Libro: Material ID: 2, Title: Novela, Author: Autor X, Year: 2022'
28
```

"C:\Proyectos\Pycharm\PP0\C1 2024\Proyecto 1er Parcial\.venv\Scripts\python.exe" "C:\Proyectos\Pycharm\PP0\C1 2024\Proyecto 1er Parcial\libro.py"
Libro: <__main__.Libro object at 0x000001E83A27DC70>, Author: Autor X, Year: 2022
Process finished with exit code 0

Projecto 1er Parcial ~ libro.py 28:1 CRLF UTF-8 4 spaces Python 3.12 (Proyecto 1er Parcial)

Escribe aquí para buscar.

21:45 10/6/2024

PyCharm IDE interface showing a Python project named "Proyecto 1er Parcial".

Project Structure:

- Proyecto 1er Parcial
 - .venv library root
 - Lib
 - Scripts
 - .gitignore
 - pyvenv.cfg
 - docente.py
 - docente2.py
 - estudiante.py
 - libro.py (selected)
 - main.py
 - material.py
 - persona.py
 - revista.py

Code Editor (libro.py):

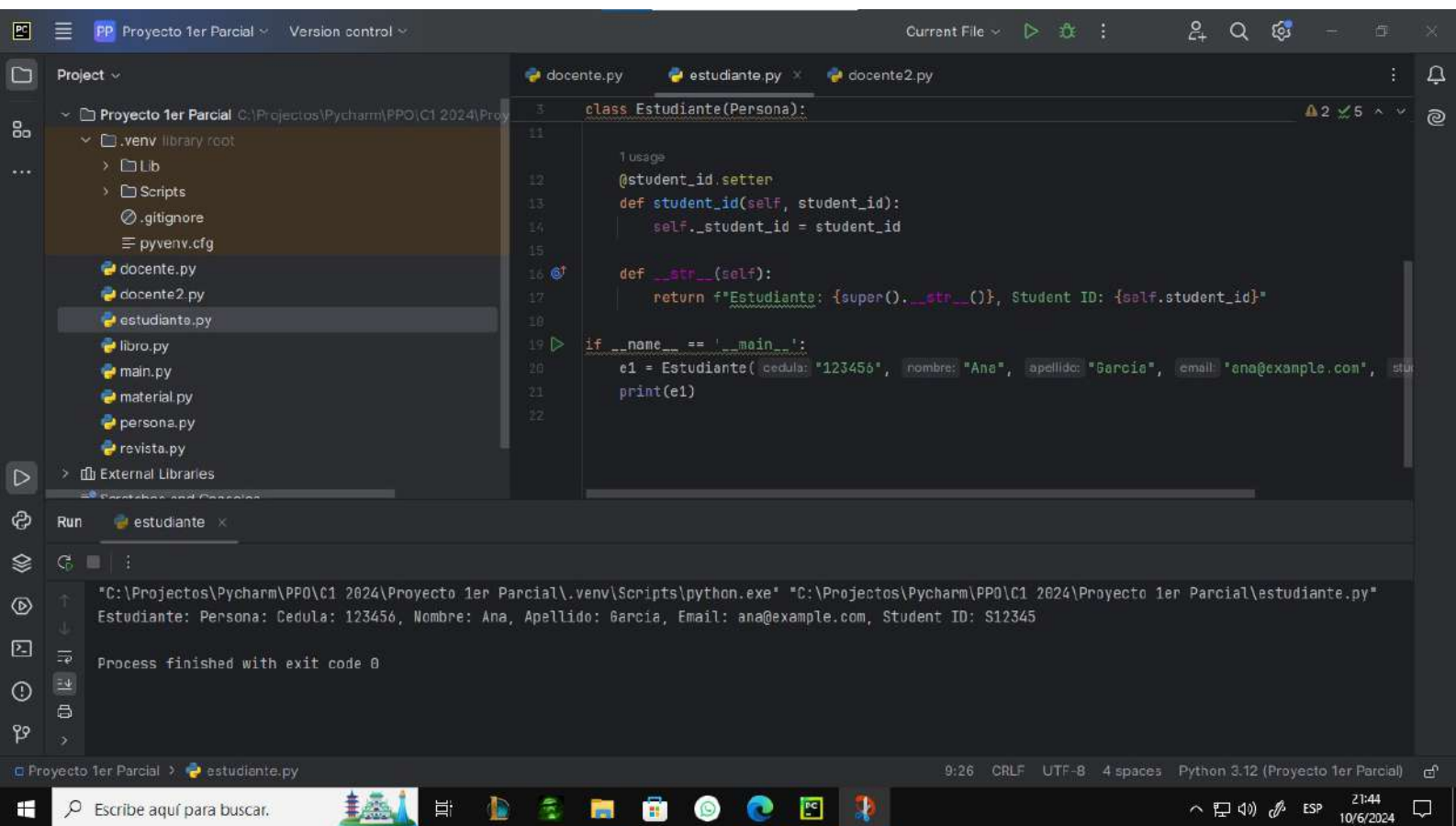
```
1 class Material:
2     def __init__(self, material_id, title):
3         self.material_id = material_id
4         self._title = title
5
6     @property
7     def title(self):
8         return self._title
9
10    @title.setter
11    def title(self, new_title):
12        self._title = new_title
13
14    3 usages
15    class Libro(Material):
```

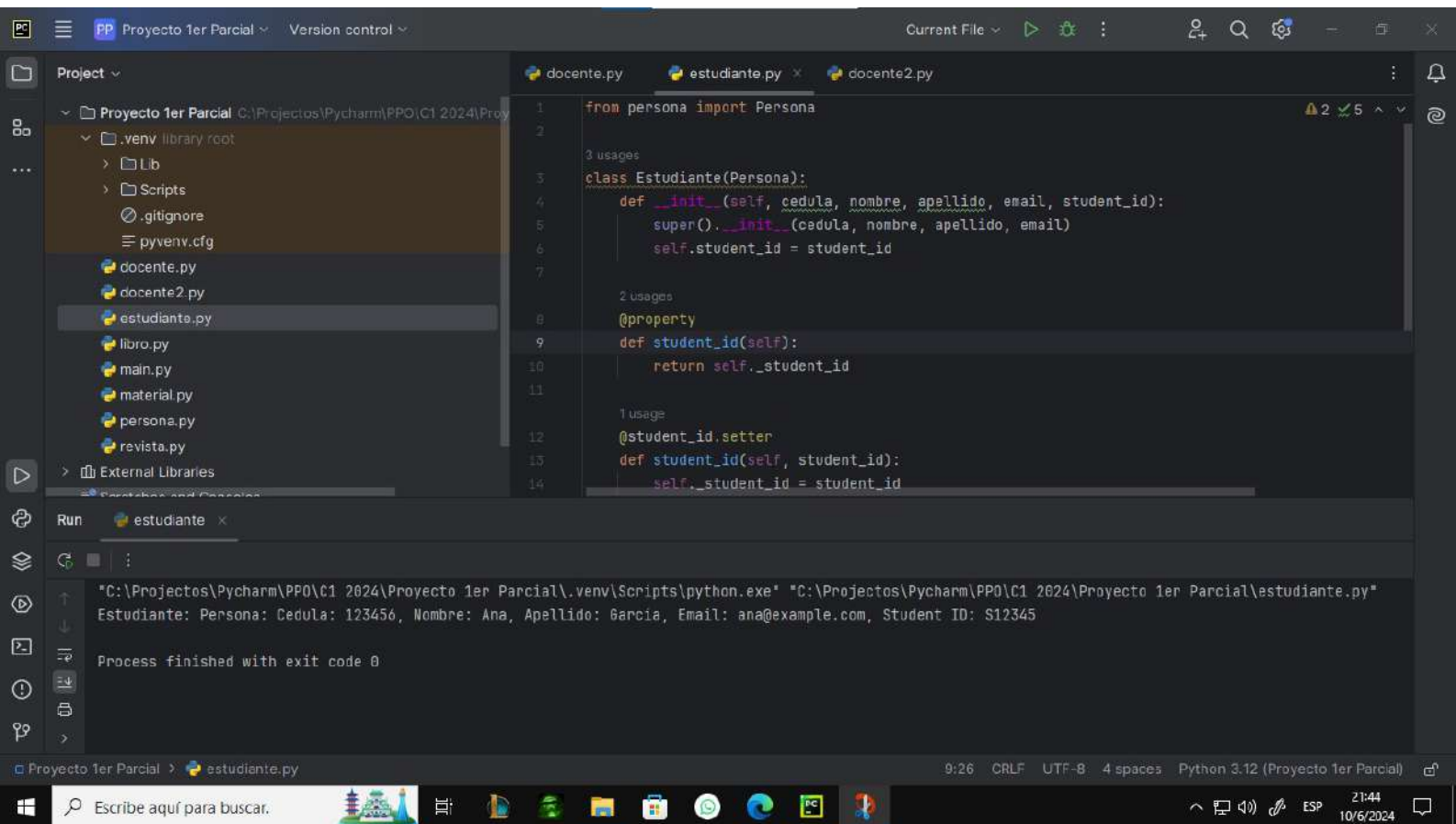
Run Console:

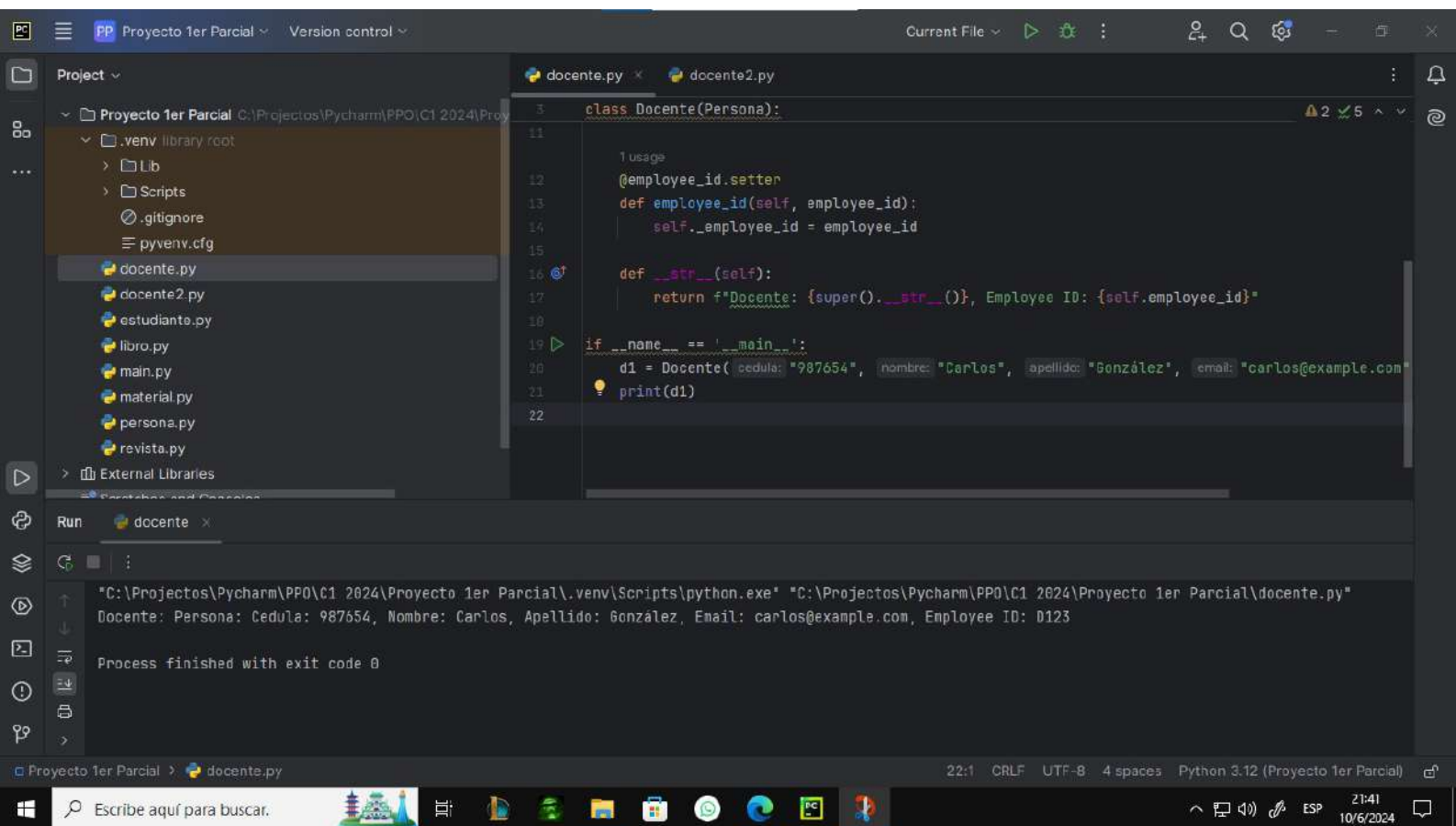
```
"C:\Proyectos\Pycharm\PP0\C1 2024\Proyecto 1er Parcial\.venv\Scripts\python.exe" "C:\Proyectos\Pycharm\PP0\C1 2024\Proyecto 1er Parcial\libro.py"
Libro: <__main__.Libro object at 0x000001E83A27DC70>, Author: Autor X, Year: 2022
Process finished with exit code 0
```

Status Bar: 28:1 CRLF UTF-8 4 spaces Python 3.12 (Proyecto 1er Parcial)

Taskbar: Windows taskbar with search bar "Escribe aquí para buscar." and system clock showing 21:45 on 10/6/2024.







PyCharm IDE interface showing a Python project named "Proyecto 1er Parcial".

Project Structure:

- Proyecto 1er Parcial
 - .venv library root
 - Lib
 - Scripts
 - .gitignore
 - pyenv.cfg
 - docente.py
 - docente2.py
 - estudiante.py
 - libro.py
 - main.py
 - material.py
 - persona.py
 - revista.py
 - External Libraries

Code Editor (docente.py):

```
1 from persona import Persona
2
3 class Docente(Persona):
4     def __init__(self, cedula, nombre, apellido, email, employee_id):
5         super().__init__(cedula, nombre, apellido, email)
6         self.employee_id = employee_id
7
8     @property
9     def employee_id(self):
10         return self._employee_id
11
12     @employee_id.setter
13     def employee_id(self, employee_id):
14         self._employee_id = employee_id
```

Run Console:

```
"C:\Proyectos\Pycharm\PP0\C1 2024\Proyecto 1er Parcial\.venv\Scripts\python.exe" "C:\Proyectos\Pycharm\PP0\C1 2024\Proyecto 1er Parcial\docente.py"
Docente: Persona: Cedula: 987654, Nombre: Carlos, Apellido: González, Email: carlos@example.com, Employee ID: D123
Process finished with exit code 0
```

Status Bar: 22:11 CRLF UTF-8 4 spaces Python 3.12 (Proyecto 1er Parcial)

Taskbar: Windows taskbar with search bar "Escribe aquí para buscar." and system clock showing 21:39 10/6/2024.

Projecto 1er Parcial Version control

Project

- Lib
- Scripts
- .gitignore
- pyvenv.cfg
- docente.py
- docente2.py
- estudiante.py
- libro.py
- main.py
- material.py
- persona.py
- revista.py

External Libraries

Scratches and Consoles

Run main

```
1 from libro import Libro
2 from revista import Revista
3 from estudiante import Estudiante
4 from docente import Docente
5
6 if __name__ == "__main__":
7     libro1 = Libro(material_id=1, title="Python Programming", author="John Doe", year=2022)
8     revista1 = Revista(material_id=2, title="Data Science Today", issue_number=5)
9     estudiante1 = Estudiante(cedula="123456", nombre="Alice", apellido="Smith", email="alice@example.com")
10    docente1 = Docente(cedula="789012", nombre="Bob", apellido="Brown", email="bob@example.com",
11
12    print(libro1)
13    print(revista1)
14    print(estudiante1)
15    print(docente1)
16
```

"C:\Proyectos\Pycharm\PP0\C1 2024\Proyecto 1er Parcial\.env\Scripts\python.exe" "C:\Proyectos\Pycharm\PP0\C1 2024\Proyecto 1er Parcial\main.py"

Libro: <libro.Libro object at 0x0000273CB2532C0>, Author: Autor X, Year: 2022

Revista: <revista.Revista object at 0x0000273CB253A10>, Issue Number: 10

Libro: <libro.Libro object at 0x0000273CB251A30>, Author: John Doe, Year: 2022

Revista: <revista.Revista object at 0x0000273CB250140>, Issue Number: 5

Estudiante: Persona: Cedula: 123456, Nombre: Alice, Apellido: Smith, Email: alice@example.com, Student ID: S123

Docente: Persona: Cedula: 789012, Nombre: Bob, Apellido: Brown, Email: bob@example.com, Employee ID: E456

Proyecto 1er Parcial main.py 10:05 CRLF UTF-8 4 spaces Python 3.12 (Proyecto 1er Parcial)

Escribe aquí para buscar.

2200 10/6/2024