Name : Usman Ul haq

Roll number : SU92-BSAIM-S24-035

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Task = 04

**Create a Python class called Book with the following attributes and methods:**

1. title (string): representing the title of the book.

2. author (string): representing the author of the book.

3. publication\_year (integer): representing the publication year of the book.

4. \_\_init\_\_(self, title, author, publication\_year): Constructor method to initialize the attributes of the book object.

5. \_\_str\_\_(self): Method to return a string representation of the book object in the format "Title: [title], Author: [author], Publication Year: [publication\_year]"

**CODE**

class Book:

def \_\_init\_\_(self, title: str, author: str, publication\_year: int):

self.title = title

self.author = author

self.publication\_year = publication\_year

def book\_age(self):

current\_year = 2024

return current\_year - self.publication\_year

def \_\_str\_\_(self):

return f"'{self.title}' by {self.author} (Published in {self.publication\_year})"

book1 = Book("The Great Gatsby", "F. Scott Fitzgerald", 1925)

print(book1)

print(f"Book age: {book1.book\_age()} years")