Project 4 Library Management System

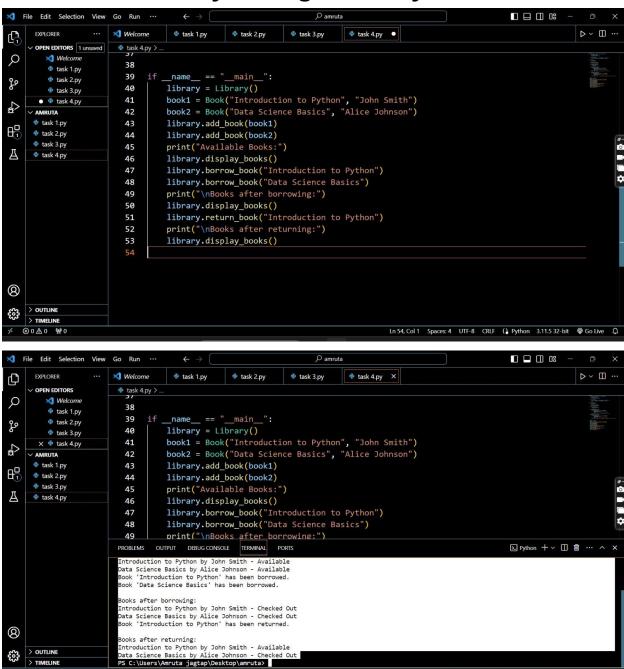
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                                  task 1.py
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                                              task 2.py
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                      dask 4.py >
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        ₩ Welcome
        task 1.py
                                def __init__(self, title, author, available=True):
        task 2.py
ည
                                     self.title = title
        task 3.py
                                     self.author = author
                         4
      • 🕏 task 4.py
                                     self.available = available
    ∨ AMRUTA
                         6
     dask 1.py
def __str__(self):
     dask 2.py
                                     status = "Available" if self.available else "Checked Out"
     dask 3.py
Д
                         9
                                     return f"{self.title} by {self.author} - {status}'
     task 4.py
                        10
                             class Library:
                        12
                                def __init__(self):
                        13
                                     self.books = []
                        14
                                 def add_book(self, book):
                        15
                        16
                                     self.books.append(book)
                        17
                        18
                                 def display_books(self):
                                     for book in self.books:
                        19
                        20
                                        print(book)
8
                        21
                                 def borrow_book(self, title):
                        22
    > OUTLINE
£33
                        23
                                     for book in self.books:
    > TIMELINE
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```

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XI File Edit Selection View Go Run ···
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                                       task 1.py
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      EXPLORER
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                          task 4.py >
Ø
         Welcome
                           22
                                     def borrow_book(self, title):
         task 1.py
                           23
                                          for book in self.books:
         task 2.py
                           24
                                               if book.title == title and book.available:
         task 3.pv
                                                   book.available = False
                           25
       • 🕏 task 4.py
$
                                                   print(f"Book '{title}' has been borrowed.")
                           26
     V AMRUTA
                           27
      dask 1.py
print(f"Book '{title}' is not available for borrowing.")
                           28
     dask 2.py
                           29
      task 3.py
                           30
Д
                                     def return_book(self, title):
      task 4.py
                           31
                                          for book in self.books:
                                              if book.title == title and not book.available:
                           32
                           33
                                                   book.available = True
                           34
                                                   print(f"Book '{title}' has been returned.")
                           35
                                                   return
                           36
                                          print(f"Book '{title}' is not checked out or doesn't exist in the library.")
                           37
                           38
                                 if __name__ == "__main__":
    library = Library()
                           39
                           40
                                     book1 = Book("Introduction to Python", "John Smith")
book2 = Book("Data Science Basics", "Alice Johnson")
                           41
8
                           42
                           43
                                     library.add_book(book1)
     > OUTLINE
                           44
                                     library.add_book(book2)
    > TIMELINE
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