class BookStack:

def \_\_init\_\_(self, size):

self.stack = []

self.size = size

def push(self, title):

if len(self.stack) < self.size:

self.stack.append(title)

print(f'"{title}" added.')

else:

print("Stack is full.")

def pop(self):

if self.stack:

print(f'"{self.stack.pop()}" removed.')

else:

print("Stack is empty.")

def peek(self):

if self.stack:

print(f'Top book: "{self.stack[-1]}"')

else:

print("Stack is empty.")

def display(self):

print("Stack:", list(reversed(self.stack)) or "Empty")

s = BookStack(int(input("Enter stack size: ")))

while True:

print("\n1.Push 2.Pop 3.Peek 4.Display 5.Exit")

c = input("Enter choice: ")

if c == '1':

s.push(input("Enter book title: "))

elif c == '2':

s.pop()

elif c == '3':

s.peek()

elif c == '4':

s.display()

elif c == '5':

break

else:

print("Invalid choice.")

Output:

Enter stack size: 3

1.Push 2.Pop 3.Peek 4.Display 5.Exit

Enter choice: 1

Enter book title: kannama

"kannama" added.

1.Push 2.Pop 3.Peek 4.Display 5.Exit

Enter choice: 1

Enter book title: kambar

"kambar" added.

1.Push 2.Pop 3.Peek 4.Display 5.Exit

Enter choice: 1

Enter book title: bible

"bible" added.

1.Push 2.Pop 3.Peek 4.Display 5.Exit

Enter choice: 4

Stack: ['bible', 'kambar', 'kannama']

1.Push 2.Pop 3.Peek 4.Display 5.Exit

Enter choice: 2

"bible" removed.

1.Push 2.Pop 3.Peek 4.Display 5.Exit

Enter choice: 3

Top book: "kambar"

1.Push 2.Pop 3.Peek 4.Display 5.Exit

Enter choice: 5