**IMPLEMENTATION OF STACK OPERATIONS -PUSH AND DISPLAY BOOK DETAILS**

**QUESTION:**

Create a program in Python to push and display book details.

**CODE**

def push(*bookname*, *authorname*, *price*, *quantity*):

    stack.append([bookname, authorname, price, quantity])

def display():

    for i in range(len(stack)):

        data = stack.pop()

        print(f'Book name: {data[0]}\tAuthor name: {data[1]}\tPrice: {data[2]}\tQuantity: {data[3]}')

stack = []

while True:

    choice = int(input('1) Push\n2) Display\n3) Exit'))

    if choice == 1:

        bookname = input('Enter book name: ')

        authorname = input('Enter author name: ')

        price = int(input('Enter price: '))

        quantity = int(input('Enter quantity: '))

        push(bookname, authorname, price, quantity)

    elif choice == 2:

        display()

    elif choice == 3:

        break

    else:

        print('Invalid choice')

    choice = input('Do you want to continue? (y/n)')

    if choice == 'n':

        break

**OUTPUT:**

1) Push

2) Display

3) Exit

Enter your choice:1

Enter book name: Harry Potter

Enter author name: JK Rowling

Enter price: 30

Enter quantity: 1

Do you want to continue? (y/n)y

1) Push

2) Display

3) Exit

Enter your choice:2

Book name: Harry Potter

Author name: JK Rowling

Price: 30

Quantity: 1

Do you want to continue? (y/n)y

1) Push

2) Display

3) Exit

Enter your choice:3