Activity 6

Create a program for a bookstore that keeps track of the inventory and allows customers to purchase books.

1. Create an array for the following books in stock: BookA, BookB, BookC, BookD.
2. Create an array for the book prices: 10.99, 15.99, 12.50, 9.75.
3. Create an array for the quantity in stock for each book: 5, 3, 7, 2.

Processing:

Loop:

{

Output the stock list. (For each book – example - 1. BookA £10.99 (5 in stock))

Request book number (to be purchased).

If the book selected is valid

{

request quantity to be purchased.

If there is enough stock

{

Output the total price.

Update the quantity in stock array to account for purchase.

Output the Total Revenue (running total of total price)

}

else (not enough stock)

{

Output message regarding not enough stock

}

}

else (book invalid)

{

Output message regarding invalid book number

}

Output Total Revenue

Output the stock list. For each book – example - 1. BookA £10.99 Qty in Stock: 5. Stock Value = £54.95 (qty in stock x Price)