

## Section One task 2

```
how many items are you purchasing today : 3

Enter dollars : 21
Enter cents : 89

Enter dollars : 11
Enter cents : 70

Enter dollars : 65
Enter cents : 29

total number of items ordered : 3
total cost : $98.88
```

| Cost  |
|---|
| <ul style="list-style-type: none"><li>- dollar: int</li><li>- cent: int</li><li>- <u>count : int</u></li></ul>  |
| <ul style="list-style-type: none"><li>- <u>showCost(int d, int c): void</u></li><li>+ &lt;&lt;create&gt;&gt; Cost()</li><li>+ <u>showCount() : void</u></li><li>+ <u>computeTotalCost(Vector&lt;Cost&gt;&amp; v) : void</u></li></ul> |

## Section Two Task 2

Select Microsoft Visual Studio Debug Console

```
Video Games Data Entry
*****

Do you want to enter data for a Computer Game or a Console Game (o / c) : o
Please enter title of computer game : Age of Empires
Please enter price : 49.99
Please enter operating system type : Windows
Do you want to add another item (y / n) : y
Do you want to enter data for a Computer Game or a Console Game (o / c) : o
Please enter title of computer game : 8th Wonder of the World
Please enter price : 10.99
Please enter operating system type : MacOS
Do you want to add another item (y / n) : y
Do you want to enter data for a Computer Game or a Console Game (o / c) : c
Please enter title of console game : Arena Football
Please enter price : 9.99
Please enter console type : Xbox
Do you want to add another item (y / n) : y
Do you want to enter data for a Computer Game or a Console Game (o / c) : c
Please enter title of console game : 007 Racing
Please enter price : 11.99
Please enter console type : PlayStation
Do you want to add another item (y / n) : n

Video Games List:
*****
Title : Age of Empires
Price : 49.99
OS Type : Windows
*****
Title : 8th Wonder of the World
Price : 10.99
OS Type : MacOS
*****
Title : Arena Football
Price : 9.99
Console Type : Xbox
*****
Title : 007 Racing
Price : 11.99
Console Type : PlayStation
*****
```

## Section Two Task 3

1st complex number is  $c1 : 3 + 2i$

enter 2nd complex number values :

enter real value : 1

enter imaginary value : 7

choose operation from menu :

1. Addition

2. Subtraction

3. Multiplication

4. Exit

enter your option : 1

$c1 : 3 + 2i$

$c2 : 1 + 7i$

$c3 : 4 + 9i$

enter your option : 2

$c1 : 3 + 2i$

$c2 : 1 + 7i$

$c3 : 2 - 5i$

enter your option : 3

$c1 : 3 + 2i$

$c2 : 1 + 7i$

$c3 : -11 + 23i$

enter your option : 4