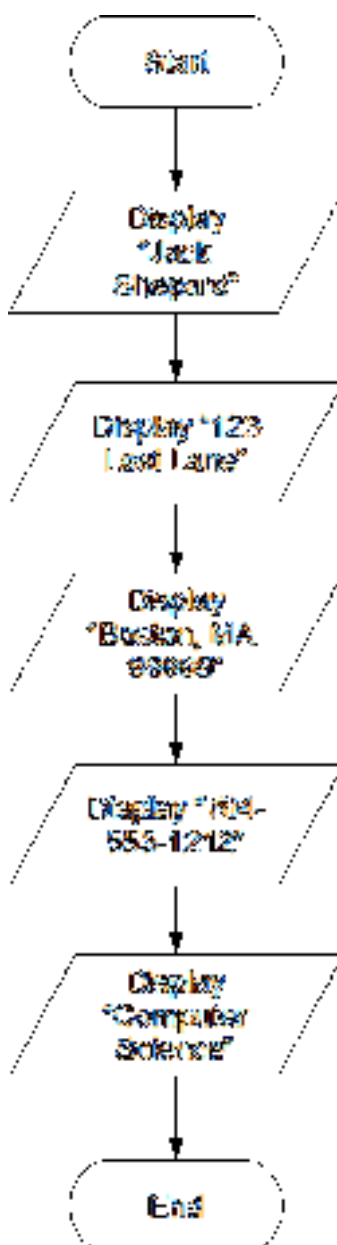


## Programming Exercise 2-1

```
Display "Jack Shepard"  
Display "123 Lost Lane"  
Display "Boston, MA 99999"  
Display "704-555-1212"  
Display "Computer Science"
```



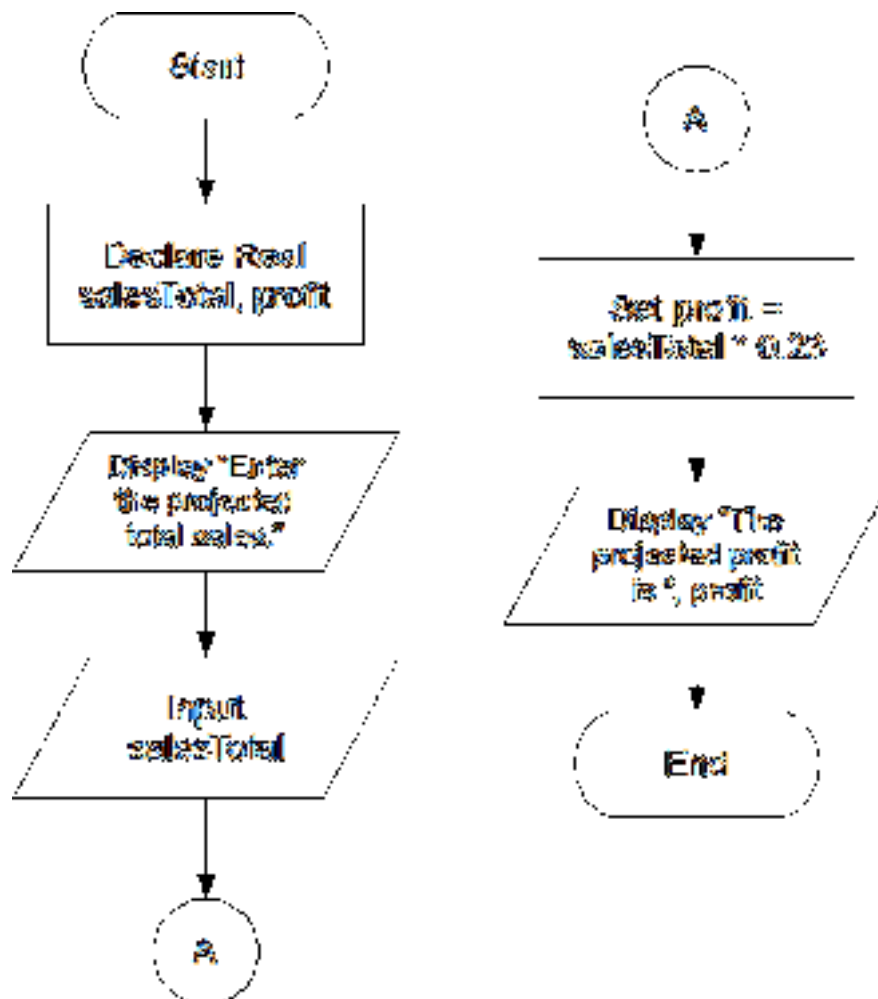
## Programming Exercise 2-2

```
// Variables to hold the sales total and the profit
Declare Real salesTotal, profit

// Get the amount of projected sales.
Display "Enter the projected sales."
Input salesTotal

// Calculate the projected profit.
Set profit = salesTotal * 0.23

// Display the projected profit.
Display "The projected profit is ", profit
```



### Programming Exercise 2-3

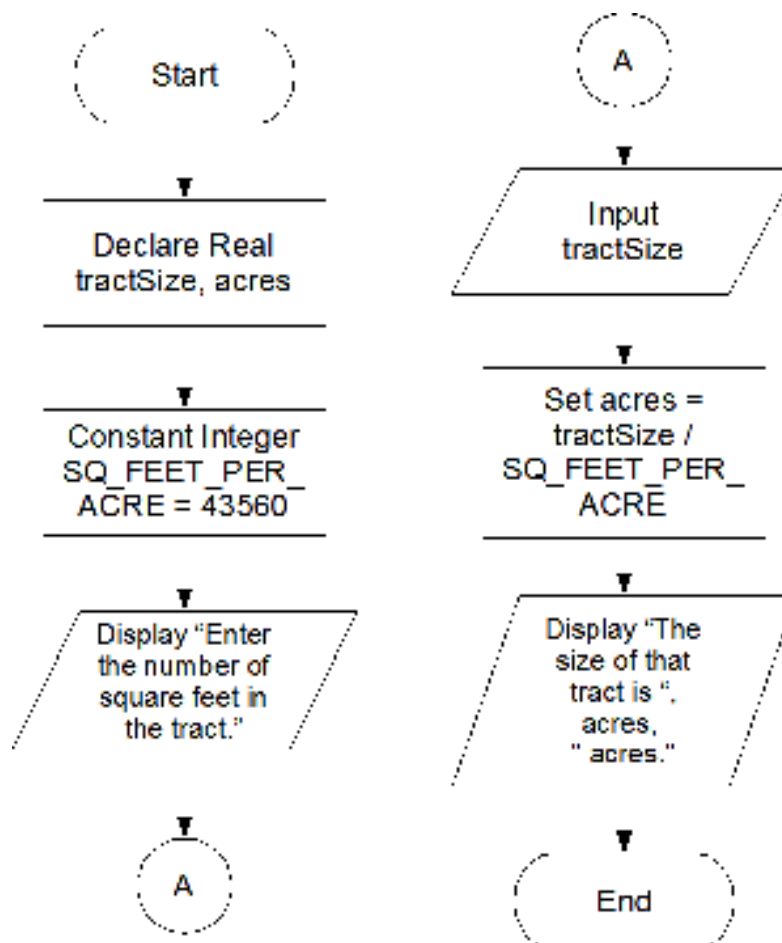
```
// Variables to hold the size of the tract and number of acres.  
Declare Real tractSize, acres
```

```
// Constant for the number of square feet in an acre.  
Constant Integer SQ_FEET_PER_ACRE = 43560
```

```
// Get the square feet in the tract.  
Display "Enter the number of square feet in the tract."  
Input tractSize
```

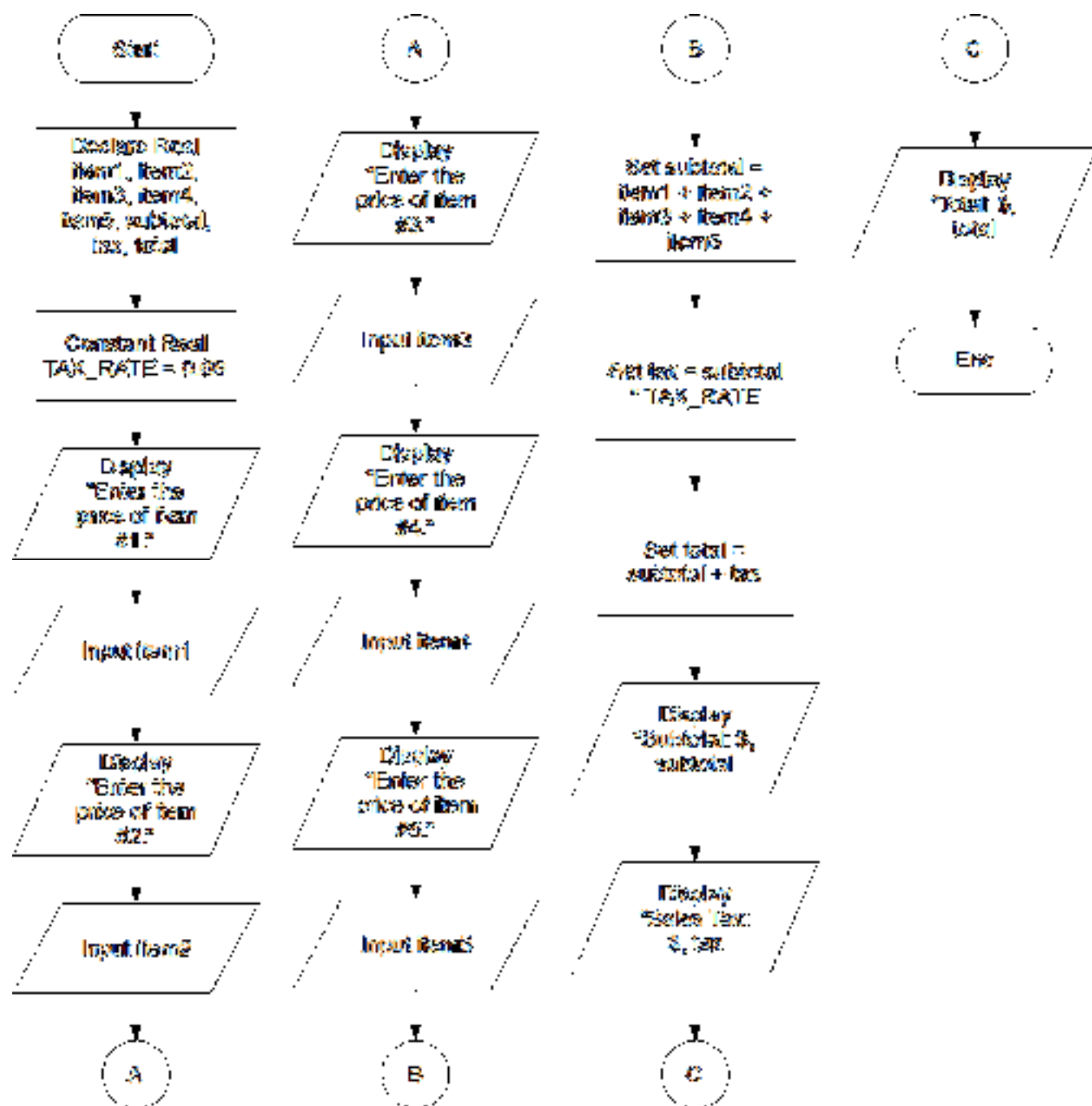
```
// Calculate the acreage.  
Set acres = tractSize / SQ_FEET_PER_ACRE
```

```
// Display the number of acres.  
Display "The size of that tract is ", acres, " acres."
```



## Programming Exercise 2-4

```
// Variables to hold the prices of each item, the subtotal,  
// and the total.  
Declare Real item1, item2, item3, item4, item5,  
           subtotal, tax, total  
  
// Constant for the sales tax rate.  
Constant Real TAX_RATE = 0.06  
  
// Get the price of each item.  
Display "Enter the price of item #1."  
Input item1  
Display "Enter the price of item #2."  
Input item2  
Display "Enter the price of item #3."  
Input item3  
Display "Enter the price of item #4."  
Input item4  
Display "Enter the price of item #5."  
Input item5  
  
// Calculate the subtotal.  
Set subtotal = item1 + item2 + item3 + item4 + item5  
  
// Calculate the sales tax.  
Set tax = subtotal * TAX_RATE  
  
// Calculate the total.  
Set total = subtotal + tax  
  
// Display the values.  
Display "Subtotal: $", subtotal  
Display "Sales Tax: $", tax  
Display "Total: $", total
```



## Programming Exercise 2-5

```
// Variables to hold the distances.
Declare Real distance5Hours, distance8Hours, distance12Hours

// Constant for the speed.
Constant Integer SPEED = 60

// Calculate the distance the car will travel in
// 5, 8, and 12 hours.
Set distance5Hours = SPEED * 5
Set distance8Hours = SPEED * 8
Set distance12Hours = SPEED * 12

// Display the results.
Display "The car will travel the following distances:"
Display distance5Hours, " miles in 5 hours."
Display distance8Hours, " miles in 8 hours."
Display distance12Hours, " miles in 12 hours."
```

