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CS317 – Asg8

Problem 1:


 Microsoft Visual Studio Debug Console

```
To determine the winning division for this quarter, we must first compare quarterly sales.
Please enter the quarterly sales figure for the Northeast division:
-5.50
Negative sales numbers are not accepted, please enter a sales amount greater than $0.00:
5000
Please enter the quarterly sales figure for the Northwest division:
4000
Please enter the quarterly sales figure for the Southeast division:
7000
Please enter the quarterly sales figure for the Southwest division:
6500
Calculating highest division sales...
The division with the highest sales for this quarter is the Southeast Division, with $7000.00
Congratulations to the winning division! Keep up the great work!

C:\Users\newuser\OneDrive\Documents\Athens State\CS317\RobbinsAsg8\Debug\RobbinsAsg8.exe (process 13272) exited with code 0.
Press any key to close this window . . .
```

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Problem 2:

 Microsoft Visual Studio Debug Console

```
This program determines the average number of days absent across all employees.
Please enter the number of employees in the company:
0
There must be 1 or more employees in the company. Please enter the number of employees:
10
Please enter the number of days missed by employee 1:
-3
The number of days missed cannot be negative. Please enter the number of days missed:
3
Please enter the number of days missed by employee 2:
2
Please enter the number of days missed by employee 3:
4
Please enter the number of days missed by employee 4:
1
Please enter the number of days missed by employee 5:
5
Please enter the number of days missed by employee 6:
2
Please enter the number of days missed by employee 7:
4
Please enter the number of days missed by employee 8:
3
Please enter the number of days missed by employee 9:
1
Please enter the number of days missed by employee 10:
0
The average number of absences across all employees is 2.5

C:\Users\newuser\OneDrive\Documents\Athens State\CS317\RobbinsAsg8\Debug\RobbinsAsg8.exe (process 19764) exited with code 0.
Press any key to close this window . . .
```

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Problem 3:

Microsoft Visual Studio Debug Console

```
To obtain the original average, follow the prompts to enter all five test scores.
Please enter a test score:
-100
Test scores cannot be less than 0 or greater than 100. Please enter a new test score:
100
Please enter a test score:
105
Test scores cannot be less than 0 or greater than 100. Please enter a new test score:
95
Please enter a test score:
70
Please enter a test score:
89
Please enter a test score:
97
The average before dropping the lowest score is 90.2
The lowest score was 70
The new average after replacing the lowest score is 94.2

C:\Users\newuser\OneDrive\Documents\Athens State\Project1\Debug\Project1.exe (process 8768) exited with code 0.
Press any key to close this window . . .
```

Problem 4:

Problem 6:

- 1) The “void total” function parameters are not all defined, value2 and value3 both need “int” type declarations.
- 2) The “void total” function is also trying to return a value but cannot unless the return type is changed to an “int total” function.
- 3) The average function is truncating the decimal and performing integer division, so it needs parenthesis and a “static_cast<double>(value1 + value2 + value3)”.
- 4) The “void area” function is also trying to return a value but cannot unless the return type is changed to an “int area” function.
- 5) The parameter list of the “area” function also needs a default value for “width” since “length” has a default value and is placed before it.