

output.txt

```
1 The default interactive shell is now zsh.
2 To update your account to use zsh, please run `chsh -s /bin/zsh`.
3 For more details, please visit https://support.apple.com/kb/HT208050.
4 bash-3.2$ g++ *.cpp
5 In file included from main.cpp:10:
6 ./MyHeader.h:138:1: warning: control reaches end of non-void function [-Wreturn-type]
7 }
8 ^
9 1 warning generated.
10 bash-3.2$ ./a.out Ali Eshghi
11 /*****
12 * Perimeter and Area of shapes comparing using
13 * overloading frined functions and class methods
14 *
15 * This program prompts the user to input information for a
16 * shape of square and a shape of triangle. then using the
17 * virtual methods and inheritance of the classes, calculates
18 * the perimeter and area of those shapes, then using the
19 * frined class functions and class methods, the program
20 * compares the area and perimeter of the squares with the
21 * area and perimeter of the triangle. then outputs if any
22 * attributes of these shapes were equal, then again prompts the
23 * user how many units they want to increase the length of both
24 * shapes and again print outs the attribute of the shapes
25 *
26 *Also, using the try/catch blocks, the program determines if the
27 *input numbers by the user are correct or no.
28 *
29 * INPUT: square length, triangle sides
30 *
31 * OUTPUT: prints out the perimeter and area of the both shapes
32 *         based on the information that the user put in, the
33 *         result of the comparison of the attributes, and the
34 *         new attributes after the modification
35 *
36 *****/
37
38 First Name : Ali
39 Last Name : Eshghi
40 Second Character of First Name : l
41 Second Character of Last Name : s
42
43 TRY BLOCK #1:
44
45 Enter the length of 1st Square:-1
46
47 The side length: -1 is too small.
48 Please enter a value greater than 0.
49
50
51
52 Enter the length of 1st Square:55
53
54 The side length: 55 is too bog.
55 Please enter a value smaller than 50.
56
57
58
59 Enter the length of 1st Square:3
```

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60
61 <<Valid side length input>>
62
63 Perimeter of Square is 12
64 Area of Square is 9
65 Enter the three sides of 1st triangle:
66
67
68 //this is just part of the output, just because
69 //you said don't print out the output for assignment
70 //6 and I assumed both of these outputs are going to be
71 //identical so I didn't copy and paste the whole output
```