

# Assignment 3

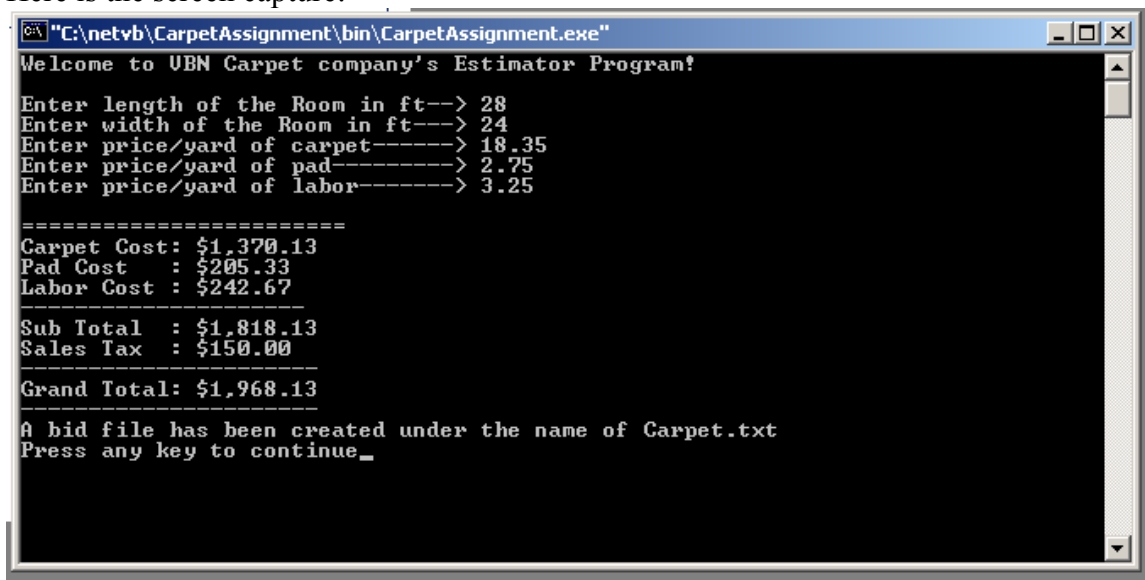
## CSCI 2227

### Dr. Abraham

Objective: Working with sub routines (procedures) and functions.

Suppose you are asked by a local carpet company to write a program to calculate cost of carpeting a room and create a bid to give to the customer. Write a program to accept the length and width of the room in feet, price of carpet and pad per square yard, and installation cost; calculate area in square yards, cost of carpet, pad and installation for the room, sub total, sales tax and total; and display these figures. See the program run as shown below. You must use subroutines to (1) input values, (2) Calculate costs, (3) display results, and (5) create a file containing the bid. You must use a function to calculate the sales tax.

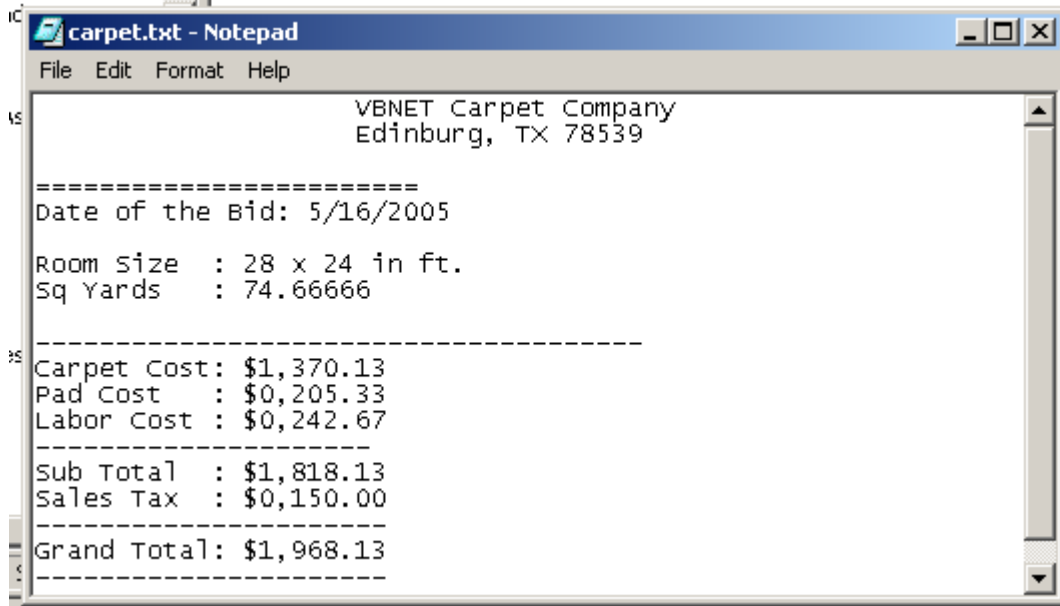
Here is the screen capture:



```
"C:\netvb\CarpetAssignment\bin\CarpetAssignment.exe"
Welcome to UBN Carpet company's Estimator Program!
Enter length of the Room in ft--> 28
Enter width of the Room in ft--> 24
Enter price/yard of carpet-----> 18.35
Enter price/yard of pad-----> 2.75
Enter price/yard of labor-----> 3.25

=====
Carpet Cost: $1,370.13
Pad Cost   : $205.33
Labor Cost : $242.67
-----
Sub Total  : $1,818.13
Sales Tax  : $150.00
-----
Grand Total: $1,968.13
-----
A bid file has been created under the name of Carpet.txt
Press any key to continue_
```

Here is the contents of the file that was created by the program.



```
VBNET Carpet Company
Edinburg, TX 78539

=====
Date of the Bid: 5/16/2005

Room Size : 28 x 24 in ft.
Sq Yards  : 74.66666

-----
Carpet Cost: $1,370.13
Pad Cost   : $0,205.33
Labor Cost : $0,242.67

-----
Sub Total  : $1,818.13
Sales Tax  : $0,150.00

-----
Grand Total: $1,968.13

-----
```