***Subroutine & Stack***

***Each labs worth 10 points***

***All lab work must be initiated during the lab hour and be completed during the lab hour.  
Only when additional time is required, the student may turn the lab in the following day for 2 points off.***

1.      Write a program that utilizes subroutine.  This program should take input of an integer from the user and then pass that number to BaseChange subroutine.  The subroutine should then calculate the binary form of that number by use of the stack and display the result to the user. An Example of sample input and output would be:

**============================================================**

**Input a number in decimal form:                      5**

**============================================================**

**The number 5 in binary is:                                00000000000000000000000000000101**

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