Coding assignment:

Code up a multiply subroutine that has as input two arguments A and B.

A and B are up to 7 bit positive integer values

Input A – passed on the stack at 2(SP)

Input B – passed on the stack at 4(SP)

Generate the value A\*B and put the product back on the stack at 4(SP)

The subroutine ends with a ret instruction.

Have a calling program to test your routine and test it with 5 different pair of values.

Be sure you subroutine has no side effects.

SUBMIT:

A copy of your code (both the calling program and the subroutine)

Test your subroutine for 5 pair of values for A and B.

Screen captures that show the relevant registers and memory for the Stack for the results after each of the 5 calls.