Lab assignment 4

- Write a program to print out the multiplication table of a given number. The program should print the table in the following format (for example, let the input number be 6).

  6 x 1 = 6

  6 x 2 = 12

  …

  6 x 10 = 60

- Modify the above program to print additionally, the sum of the products (in the above case, print the sum 6+12+18...+60 after printing the table of 6.)

- Modify the first program to print the multiplication table for a range of numbers. The program should accept the starting and ending range from the user. For example, if `startRange` = 3 and `endRange` = 8, the program should print the tables of 3, 4,...8.

- Write a program which accepts three integer inputs from the user and prints their sum. After printing the sum, the program should prompt if the user wishes to continue. If yes, it should accept three new inputs from the user. This should repeat until the user does not wish to continue.

  Hint: To check if the user wishes to continue, you can use a while loop and a character input (for example, 'y' for continuing and 'n' for exiting the program.)