Project1 (Variables):

      Create a program that has one variable of each of the following types: int, double, bool, and char. Try assigning the value from one to the other, and then output what you get. For example, a double named test1 of value 12.7 will turn into just 12 when we put it into an int named test2, like this: `test1 = test2;`

Try it with most of the types, and see what comes out.

Project2 (If statements):

      Create a program that takes two numbers and performs a different math operation on them, depending on a third variable to choose the operation. You can use a string to input "addition" or "subtraction", or you can use an integer to select option 1,2, or 3. Include at least +,-,*, and / operations, and you can add % (remainder) if you want.

Project3 (While loops):

      Create a program that iterates through every year from a date of your choice (0 A.D, is fine, but you could do like your birth year, or the founding of America). Check if a year is a leap year, and output it if it is. (Remember, years divisible by 4 are leap years, unless they end in two zeros like 1900, in which case they must be divisible by 400. 1900 is not a leap year, but 2000 is.) You will have to use % (modulo or remainder) to find years divisible by 4, 100, and 400.

You can text me at (253)6663498 or email me at jamesmce1215@gmail.com if you have questions. PLEASE ASK IF YOU NEED HELP, don't just give up!