Exercise 2-1 - Collating Sequence

'A' < 'a' is true
while
'?\' < \'\' is false

Exercise 2-2 - Test for Upper case

• Suppose the variable \texttt{x} contains a value of type \texttt{char}.
• Write a Boolean expression that is TRUE if the value of \texttt{x} is an upper case letter and is FALSE otherwise.
  - Note that you don't need to know the actual code value of the characters!

  ('A' <= x) && (x <= 'Z')

Exercise 2-3 - Operator Precedence
What is the order of evaluation in the following expressions?

\[
\begin{align*}
\text{a + b + c + d + e} & \quad \text{a + b * c - d / e} \\
1 & \quad 2 & \quad 3 & \quad 4 & \quad 3 & \quad 1 & \quad 4 & \quad 2 \\
\text{a / (b + c) - d % e} & \quad \text{a / (b * (c + (d - e)))} \\
2 & \quad 1 & \quad 4 & \quad 3 & \quad 4 & \quad 3 & \quad 2 & \quad 1
\end{align*}
\]
// Variable declarations
double cost1; // first cost
double cost2; // second cost
double cost3; // third cost
double avg; // to store the average

avg = (cost1+cost2+cost3)/3;

// Variable declarations
int intVar1, intVar2; // 2 integer variables
int quotient;
int remainder;

quotient = intVar1/intVar2;
remainder = intVar1 % intVar2;