

CSCI-101 Review

?: (the Question-colon operator)

Write a class named **QuestionColon** and in **main** do the following:

1. Declare two integers named **maxAge** and **curAge** and initialize them using values read from the keyboard. Write code that creates a variable named **process** and uses the ?: operator to set the value of **process** to **true** if **curAge** is less than **maxAge**; otherwise sets the value of **process** to **false**. Print the value of **process**.
2. Declare a variable named **average** and initialize it to a decimal value read from the keyboard. Write code that uses the ?: operator to set a Boolean variable named **pass** to **true** if **average** is greater than 65; otherwise sets **pass** to **false**. Print the value of **pass**.
3. Ask the user to enter one of the following characters: A, B, C, D, F. Declare a variable named **letterGrade** and initialize it to the value read from the keyboard. Declare a variable named **pass** that can hold a Boolean value. Use the ?: operator to set **pass** to false if the value in **letterGrade** is F; otherwise set **pass** to true. Print the value in **pass**.
4. Declare three variables named **score1**, **score2**, and **result** that can each hold decimal values. Write code that uses the ?: operator to set **result** equal to **score1** if **score1** is greater than **score2**; otherwise set **result** equal to **score2**. Print the value in **result**.