

Instructions: Log onto cs.bridgewater.edu. Create a directory in your repository named **lab5**. Write a program in your **lab5** directory (that includes a **main** method) which includes code for the following problems. **Include extra print statements if necessary to ensure your program is working properly.**

1. Write a statement that creates an instance of the **Scanner** class that can be used to read data from the keyboard. You may use this instance in the remainder of the exam.
2. Ask the user to enter 2 positive integers and read them into variables named **num1** and **num2**.
3. If **num1** holds a value less than **0** then set **num1** to **0** and if **num2** holds a value less than **0** then set **num2** to **0**.
4. Print to the screen "**numbers are equal**" if the values in **num1** and **num2** are equal; otherwise print "**not equal**".
5. Print to the screen "**6 or 7**" if **num2** holds the value **6** or holds the value **7**.
6. Print to the console "**one**" if the value in **num1** is **1**, print "**two**" if the value in **num1** is **2**, and otherwise print "**other**".
7. Ask the user to enter the name of a city and read the value entered by the user into variable named **city**.
8. Ask the user to enter their middle initial and read the value into a variable whose type is **char** and whose name is **middleInitial**.
9. Print to the console "**Got an E**" if the value in **middleInitial** is the letter **E**.