### **Basic Java Input - Scanner Exercises** **1. Asking Questions** Create a String named [name] Create an integer named [age] Create a double named [wage] Your code should ask the following question Hello. What's your name? Set [name] to the user's input Your code should ask the following question Hi [name]! How old are you? Set [age] to the user's input Your code should ask the following question So you're [age], eh? That's not old at all! How much do you make, [name]? Set [wage] to the user's input Finally, output this line [wage]! I hope that's per hour and not per year! **2. Data Mining** First, print the following line: Please enter the following information so I can sell it for a profit! Then, prompt the user for the following pieces of information: First Name as a String named [fname] Last Name as a String named [lname] Grade (9-12) as an int named [grade] Student ID as an int named [id] Login as a String named [login] GPA (0.0-4.0) as a double named [gpa] Finally, print the following lines: Your Information: Login: [login] ID: [id] Name: [lname], [fname] GPA: [gpa] Grade: [grade] **3. Age in Five Years** Ask the user for their name. Then display their name to prove that you can recall it. Ask them for their age. Then display what their age would be five years from now. Then display what their age would be five years ago. An example of your output could be: Hi there. What's your name? >Mike Hi, Mike! My name is Java. Nice to meet you. How old are you? >22 Did you know that in five years you will be 27 years old? And five years ago you were 17! Imagine that! **4. The Dumb Calculator** Make a simple numeric calculator. It should prompt the user for three numbers. Then add the numbers together and divide by 2. Display the result. Your program must support numbers with decimals and not just integers. An example of your output could be: What is your first number? >1.1 What is your second number? >2.2 What is your third number? >5.5 (1.1 + 2.2 + 5.5) / 2 is... 4.4! **5. A Simple BMI Calculator**

### The body mass index (BMI) is commonly used by health and nutrition professionals to estimate human body fat in populations. It is computed by taking the individual's weight (mass) in kilograms and dividing it by the square of their height in meters. An example of your output could be: Your height in m: >1.75 Your weight in kg: >73 Your BMI is 23.83673