# **Homework**

# **User Input and Storage**

In the following exercises **underlined text** in the sample outputs represents something that has been **typed in by the user**. When you run your program, try to get your output to **match the sample output as closely as possible**.

1. From the following list, indicate the names that should not be used as identifiers of Java variables. For each name that is a problem, explain why it should not be used.

| firstChoice | this | second-time |
| --- | --- | --- |
| 3rdTime | monthly\_total | Last |
| valueIn$ | x27 | word Length |

“word Length” has a space in the variable name, which is not allowed

“Last” begins with a capital, which is improper style as that is for classes

“3rdTime” begins with a number, which is not allowed

“second-time” has a non-underscore character in the name, which is not allowed

“this” is a keyword and therefore cannot be used as a variable name alone

“x27” can be argued to be not very descriptive in what it does

“valueIn$” while it works, the dollar sign does signify a class being declared in another class to the compiler and so it is best to avoid it for regular use

1. **Input\_2.java** Write a program that asks the user for his/her name and then outputs “Hello <name>”.

**Sample Output:**

What’s your name? **Mr. Skuja**

Hello Mr. Skuja

1. **Input\_3.java** Write a program that asks the user to enter his/her name and then his/her age. Output a statement telling him/her the name and the age.

**Sample Output:**

What’s your name? **Bob**

How old are you? **20**

So you are Bob and you are 20

1. **Input\_4.java** Write a program that asks the user to enter two words, then output them on separate lines, and then output them again on the same line separated by a space.

**Sample Output:**

Please enter word #1: **cat**

Please enter word #2: **dog**

cat

dog

cat dog