

Homework 2 - Time For I/O

In this homework we are going to explore the basics of input and output on the console. The console is going to be the main way we interact with the user.

There are different ways to get user input in java but for this we are going to use Scanner([System.in](#))

In order to match the output in Submitty its important to print out the input.

For example

```
System.out.println("Enter a number:");  
int val = s.nextInt();  
System.out.println(val);
```

Part 1

In this part you are going to create a madlibs. The story is...

Today I went to the zoo. I saw a (adj1) (noun1) jumping up and down in its tree. He (verb1) (adverb1) through the large tunnel that led to its (adj2) (noun2) I got some peanuts and passed them through the cage to a gigantic gray (noun3) towering above my head. Feeding that animal made me hungry. I went to get a (adj3) scoop of ice cream. It filled my stomach. Afterwards I had to (verb2) (adverb2) to catch our bus. When I

got home I (verb3) my mom for a (adj4) day at the zoo.

first ask the user to "Enter a adjective: " 4 times, "Enter a noun: " 3 times, "Enter a verb: " 3 times, "Enter a adverb: " 2 times.

Part 2

Lets create a BMI calculator

feet is an integer

inches is an integer

lbs is an integer

bmi is a double, rounded to 2 decimals

Expected Output example:

Welcome to the BMI calculator

Enter your height (feet):

5

Enter your remaining height (inches):

7

Enter your weight (lbs):

140

Your BMI is 21.92

Part 3

lets create a 4 function calculated which rounds the answer to 2 decimals

Expected Outout example:

Enter first num:

5.324

Enter second num:

2.3

$5.324 + 2.3 = 7.62$

$5.324 - 2.3 = 3.02$

$5.324 * 2.3 = 12.25$

$5.324 / 2.3 = 2.31$

Submission instructions

files to submit

Part1.java, Part2.java, Part3.java