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| LEARNING PROFILE FOR TimedComputation | | | | | |
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**1. Problem Statement:**

Textbook example program.

**2. Description of the Code:**

Performs some mathematical computations and displays the results. Also displays the value of the constant Math.PI. It then reports the number of seconds that the computer spent on this task.

**3. Errors and Warnings:**

Table 1: List of Errors and Warnings Encountered in the Program

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **Errors / Warnings** | **Details** | **How I solved them** |
| 1 | E1 | Would not compile at first as it could not link the package and class. The default Netbeans package makes the class <name>.<Name>. | Put my class TimedComputation.java directly under *Source Packages*, which put it in <default package>. |
| 2 |  |  |  |

**4. Sample Input and Output:**

A triangle with sides 42 and 17 has a hypotenuse 45.31004303683677

Mathematically, sin(x)\*sin(x) + cos(x)\*cos(x) - 1 should be 0.

Let's check for x = 1:

sin(1)\*sin(1) + cos(1)\*cos(1) - 1 is 0.0

(There can be round-off errors when computing with real numbers!)

Here is a random number: 0.9822580891772401

The value of Math.PI is 3.141592653589793

Run time in seconds was: 0.002

**5. Discussion:**

I’m not sure why the default package/class organization for Netbeans projects doesn’t work for me. Maybe I’m supposed to import everything into my own custom packages/class instead of relying on the <default package>?