# **Pre-Lab Write Up**

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Lab: Lab4

1. Describe in English what this program is supposed to do (not how it does it). This should be able to be your class comment at the top of your program:

This program allows you to play a guessing game. I will think of a number between 1 and 100 and will allow you to guess until you get it. For each guess, I will tell you whether the right answer is higher or lower than your guess.

1. List the separate tasks needed to accomplish what you described in part 1. This should be the individual methods you are going to have in your program:

I need to show the introduction of the game. Then we need to play a game. After a game, I need to confirm if the user wants to play another game. If the user does not want to play anymore, show the game results.

1. For each of the tasks in part 2, describe in English what they are supposed to do (not how they do it). Additionally, note any information each of the tasks need to accomplish their goal as well as any information they need to give back. These should be able to be used as your method comments in your program:

To show to intro it’s just to simply print introduction. In the game I must ask user over and over until the user gets the right answer. To check the user wants to play again, I need to assure the user to answer either yes or no.

1. For each of the tasks in part 3, give a brief description in English of how you plan to accomplish the task. This should be almost pseudo-code, but it should all be in English instead of having the code like structure:

Other methods are simple but the main and playing a game should be more complicated.

Main method should cover:

Print intro.

Play game until user does not want to play (post-condition).

Update best score each game if the user got the best score.

If user finishes playing the game. Returns the overall game result.

Playing a game should cover:

Get a random number.

Ask user a number.

Compare its value and repeat to ask until user gets the number right.

When user gets it right, show a result of the game.