

PS1 PROBLEM SET

- 1) Write a program that asks the user's name, and then greets the user by name. Before outputting the user's name, convert it to upper case letters. For example, if the user's name is John, then the program should respond "Hello, JOHN, nice to meet you!"
- 2) Generate number of $n=600$ times random number between 1-6 (lets say it's rolling a die) and count the frequency for each value
- 3) Suppose you write a game menu logic.
Print the options on the screen, get choice from the user and trigger a print method to show choice.



- 4) How many times do you have to roll a pair of dice before they come up snake eyes? You could do the experiment by rolling the dice by hand. Write a computer program that simulates the experiment. The program should report the number of rolls that it makes before the dice come up snake eyes. (Note: "Snake eyes" means that both dice show a value of 1.) Exercise 2.2 explained how to simulate rolling a pair of dice.