


IMD0105 - Special Issues in Information Technology VI

Programming Project - Unit 1,1

Natal-RN
March 2017



Goals

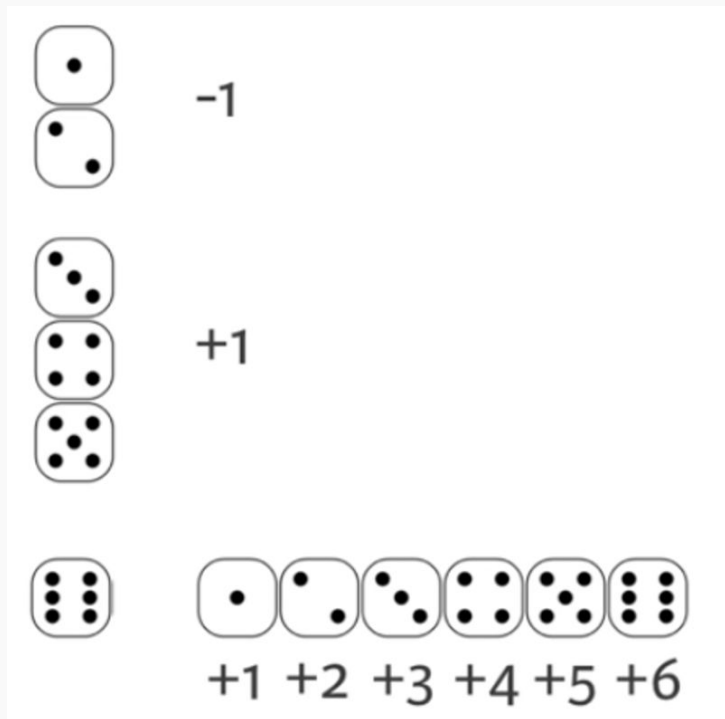
- Reinforce and practice main ideas and skills presented in the first lessons about Python
 - Loop, random, numpy, list, functions, so on

IMD Bet Game



In the IMD bet game, your next move depends on the number of eyes you throw with the dice.

Rules



Input:

- Floor "f", where $\text{step} = \max(0, f)$
- Epoch = 100
- Seed
- Number of rounds = 500

For each rounds

For each epoch (roll):

- Roll the dice
- Determine the next step
 - Case 1,2: decrease step by one
 - Case 3,4,5: increase step by one
 - Case 6:
 - Roll the dice
 - Move according to result of dice
 - There is a 0,1% probability that assign the step to 0 (zero) in each step.
 - Store the current step

Round[i] = steps

Deadlines

- Deadline 20/03/2017
- Grade: 5% Unit 1
- Must contain:
 - Notebook (source in Python)
 - Source code must be available at Github (or similar). Submit the link too.