
Task1

Reading and reporting

- Read the two articles and write a 2-page report of each:
  - turing.pdf
  - 10.2478_jagi-2014-0001.pdf

Python

- Make a class called person
  - Attributes: name, age, skill level (number between 1-10), winning_count
  - Functions: setters and getters, add_skill(n), add_winning (), play_against(person) -> change winning_count and skill based on a probability of winning if the skill_level difference is maximum 2 the winning probability is 50% for each and if the difference is between 2-4 the higher skill wins 75% of the time and higher differences end with 100% winning.
  - Constructor choose a random name form 10 names given, and sets age, skill_level and winning_count randomly
  - Make a function to choose using sampling from a normal distribution
- Create a list of 10 people and make them play in 20 iterations

SQL

- Create SQLite database with the following tables students, professors, administrators, courses, and add the columns you wish. Add the primary and foreign keys.
- Create at least all types of joins
- Create at least two selects with “where” clauses

Python

- Create a function that computes the area under the curve f(x)=x^2+2 over the interval [1, 2] by summing the areas of rectangles formed when dividing the interval into n subintervals.

- Calculate the area between the function above and f(x)=x

- Generate a function that, upon each call, produces three distinct numbers a, b, and c, such that for any given n, the sum of a, b, and c equals n.

GIT

- Create a GIT repository for your files