

Final Quiz

Q1. Write a program that takes two digit integer and returns a character corresponding to the number. [Marks: 10]

Ex. If you enter 34 the output would be “thirty four”

Q2. In SQL, specify the following queries on the database [Marks: 10]

a. Retrieve the names of all employees who work in the department that has the employee with the lowest salary among all employees.

b. Retrieve the names of all employees whose supervisor has '312-51-6452' as SSN.

c. Retrieve the names of employees who make at least \$5,000 more than the employee who is paid the least in the company.

Q3. Write a recursive function that sorts a list of numbers. [Marks: 10]

Q4. Write a program that determines the value of a roll of 2 dice in a game. [Marks: 10]

Q5. Write a program to calculates the amount of fabric needed to create a sweater for a dog.

[Marks: 10]

Q6. Eight Queens Puzzle asks you to discover all possible ways that eight queens could be placed on a chessboard so that no queen could “capture” any other on the next move. Print all the solutions to the Eight Queens Puzzle [Marks: 20]

Q7. Design the front end for a simple website for health services provided by a doctor using HTML, CSS, Javascript [Marks: 30]