Computational Optimization - MSc AIDA UoM

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The goal of the second programming assignment involves creating a program (random instance generator) that will construct various problem instances for some of the following – indicative – problems (as well as various variations of them). You can ask the user for some basic information (e.g., size, value range) and then you will create a new output file with the random data for this problem.

- Traveling Salesman Problem (TSP)

- Vehicle Routing Problem (VRP)

- P-location (p-median, p-center, etc.) problem

- Minimum Labelling Spanning Tree Problem

- Constrained Shortest Path Problems

- Location Problems (p-median, p-center, etc.)

- Job Shop Scheduling Problems

- Knapsack problems