

Procedural Programming Laboratory

Lab 5

Part 1

Write a program to display either an inches-to-centimetre or a centimetre-to-inches conversion table depending on the user's preference.

The users will enter the smallest and largest values of the range they wish to convert. In addition, the user will also specify the interval of converted values in the table.

Note: 1inches = 2.54cm

Part 2

The population of a certain animal is 1,000,000 at the beginning of a year. During each subsequent year, 6% of the animals alive at the beginning of the year die. The number of animals born during the year that survive to the end of the year is equal to 1% of the animal population at the beginning of the year.

Write a program that prints out the births, deaths and the population at the end of each year and stops when the population falls to 10% or less of the original population.

You should submit your design, your code and a sample of the input and output in a single MS Word file to moddle.

Deadline: 28th October 2016 at 12noon