

Revision Tasks

(Ensure you have completed Workbook 3 before attempting these tasks)

A: Designing a Program

For *each* of the following 2 tasks, carry out the steps below.

DO NOT WRITE ANY CODE YET!!

1. Write **pseudocode** (into a Word or Notepad file)
2. Open a blank copy of the **Variable List proforma** (on Moodle) to record details about your variables.
3. Create **test data** for your program (access the proforma on Moodle)

1. Glasgow Hotel Program

This program should ask for the guest's name and the number of nights he/she is staying. The guest's bill is then calculated based on a tariff of £75 per night. An invoice is then produced showing the customer's name and the total cost of the stay.

2. Garden Turfing Program

This program should ask the user for the length and breadth of their garden in metres. It should then calculate the area in square meters (length * breadth). Next, it should calculate the total cost of the turf, based on a cost of £2.50 per square metre (ie. the area you've just calculated).

It should then display both the area and the total cost.

Finally, if the cost of turfing the garden is above £75 then it should output an additional message saying "This cost cannot be covered by a grant".

B: Coding and Testing

- Once you have completed your documentation from the above 2 programs, use this to help you **code each program**. (You could create a new project for each program using a suitable name, with a new Solution file called 'Revision Tasks'; add the second program to the same Solution)
- Then refer to your test table data to **test each program fully**.