TU Dublin – Tallaght Campus
Department of Computing

Software Development 1

Worksheet/Laboratory 4

Exercise 1.

Design & develop a program, which asks the user to type in an integer and prints a message saying whether it is odd or even.

Exercise 2.

Design and develop a program that determines the purchasing policy to be followed by employees. Policy is dictated by the cost of the item to be ordered. If an item to be purchased costs more than €5000 then the purchaser must go to tender (display a message), if the item costs between €500 and €5000 inclusive then the purchaser must get quotes from three different suppliers (display a message), otherwise the purchaser can just go ahead and order the item (display a message). The user should input the cost of the item and the program should indicate the policy to be followed.

Exercise 3.

Design and develop a program that calculates the motor tax fee for a vehicle based on its engine size as input by the user. The following is the cost breakdown:

Engine Size (CC)	€
<= 1000	150
1001..1200	175
1201..1400	200
1401..1600	250
1601..1800	300
1801..2000	350
> 2000	500

The program should prompt the user to enter the engine size and output the cost. Hint: use an else if.