

Selection Worksheet

1. (a)

DIFFERENCE = 0

Input A, B

If $A \leq B$ Then

DIFFERENCE = $A - B$

Else

DIFFERENCE = $B - A$

Endif

Print DIFFERENCE

What is printed by the algorithm above if the input values are the following?

(i) 20 30 (ii) 20 20 (iii) 50 40

1. (b) Draw the flowchart for 1 (a) above.

2. A store gives a five percent discount on purchases which cost 250 and above.
Purchases under 250 receive a two percent discount.

(a) Write pseudocode to read the purchase and determine the cost of the purchase less the appropriate discount. Print the purchase, the discount and the cost of the purchase less the discount.

(b) Write the program for 2 (a) above.