Homework 4.1

Write a program that converts distances from kilometers to miles: Ask user to input the kilometers value then output to screen the miles value.

Homework 4.2

Write a program that get the value of a 2 real numbers a, b from user and then display the value of the following expression:

(a+b)3(a2−b2)−ab(a+b)3(a2−b2)−ab

(a−b)(a+b)(a2−b2)(a2+b2)(a−b)(a+b)(a2−b2)(a2+b2)

Homework 4.3

Write a program that requires user to input two double values stored in two variables x,y.

Use if control structure to examine all the relation between x and y (>, <, ≥, ≤, =, ≠)

Homework 4.4

*BKStore* supermarket gives the promotion on the Apple product this month.

−If you buy more than 3 iPod AND 2 iPad

−OR if your net payment is greater than 1020 USD

you will get the 10% discount.

Write a program that get from the users the numbers of Ipod – and Ipad and print in detail the bill they have to pay.

iPod price: $148

iPad price: $288