Homework 10

Homework 10.1

Write a C program to input three integers. Set up a single pointer to point to each of these integers in turn. Display the value dereferencing the pointer.

Homework 10.2

Write a program that print out the address (in hexadecimal format) of first 5 elements of the array predefined as below:

int a[7]= {13, -355, 235, 47, 67, 943, 1222} ;

Homework 10.3

Write a program asking the value from user for 3 float variable a, b, c. Then add 100 to the content of them by using just a pointer.

Homework 10.4

Write a function that takes three variable (a, b, c) in as separate parameters and rotates the values stored so that value a goes to be, b, to c and c to a. Test this function in a program

Homework 10.5

Introduce int variables**x, y, z** and *int\** pointer variables**p, q, r**.  Set **x, y, z** to three distinct values.  Set **p, q, r** to the addresses of **x, y, z** respectively.

1. Print with labels the values of**x, y, z, p, q, r, \*p, \*q, \*r**
2. Swapping values of **x, y, z**. Print with labels the values of **x, y, z, p, q, r, \*p, \*q, \*r**
3. Swapping values of **p, q, r**. Print with labels the values of **x, y, z, p, q, r, \*p, \*q, \*r**