Submit the source code through Canvas. *yourname_assignment6.c* is the file name.

Use proper commenting at the beginning of your code with your name, lab number and date.

Write each problem as its own function of type void.

(Ten points deduction for not following any of the given formats)

1- (25 point) Answer each of the following. Assume that integers are stored in 4 bytes.

a) Define an array of type int called `apples` with five elements, and initialize the elements to the even integers from 2 to 10. Assume the symbolic constant `SIZE` has been defined as `5`.
b) Define a pointer `aPtr` that points to a variable of type int.
c) Print the elements of array values using array subscript notation. Use a `for` statement.
d) Give two separate statements that assign the starting address of array values to pointer variable `aPtr`.
e) What address is `aPtr` pointing to?
f) Print the elements of array values using pointer/offset notation.
g) What address is referenced by `aPtr + 3`? What value is stored at that location?
h) Assuming `aPtr` points to `apples[4]`, what address is referenced by `aPtr -= 4`? What value is stored at that location?

3- (25 points) Write a program to store an input list of *ten integers* in an array; then display a table similar to the following, showing each data value and what percentage each value is of the total of all ten values.

Index	Value	% of total
0	8	4.00
1	12	6.00
2	18	9.00
3	25	12.50
4	24	12.00
5	30	15.00
6	28	14.00
7	22	11.00
8	23	11.50
9	10	5.00