**Exercises**

**Create an algorithm (PSEUDOCODE  or FLOWCHART) for the following problems.  Observe function or modularity in program, as much as possible implement passing of parameter/s and return values (if needed). Create main() function to test the function. Main function handles all the input (read, scan) and output (write, display, print) processes.**

**LE8\_11 *Days of the Week.*** Write a function that sets up an array called days, which contains pointers to the names of the days of the week and return the name of the day from the given day. The function accepts the given day.

**Example output:**Enter day: 1         Day of the week: Monday  
Enter day: 7         Day of the week: Sunday  
Enter day: 9         Day of the week: INVALID

**LE8\_12 *Search Element.***Write a function to search an element in array using pointers and return the index location. The function accepts the starting address of the array, number of entries and number to search.

**Example output:**Enter number of entries: 5  
Enter number: 9  
Enter number: 7  
Enter number: 5  
Enter number: 3  
Enter number: 1  
  
Search data: 5       
FOUND in Index 2  
  
Search data: 8       
NOT FOUND

**LE8\_13 *Maximum Number.***Create a function that determine and returns the maximum number in an array of integers using pointers. The function accepts the starting address of the array and number of entries.

**Example output:**Enter number of entries: 5  
Enter number: 3  
Enter number: 7  
Enter number: 9  
Enter number: 1  
Enter number: 5  
  
Maximum Number: 9