**Background**

This assignment will test your knowledge of

* Methods
* Arrays
* Array searching
* Array sorting
* Array processing

**Specification**

DCETB athletics club require a simple statistical analysis program for analysing lap speed for runners. The program should provide the following functionality

1. Allow the user to enter a number of race results (a value between 2 & 12)

2. Process the results by

* allowing a user to enter a race participant’s name
* allowing a user to enter a race participant’s completion time (a value between 0.00 & 5.00 mins.)

3. When data entry is complete, display a menu with the following options

* Display average race completion time
* Display the fastest race completion time
* Display slowest race completion time
* Sort & Display the race times in descending order
* Search for an individual race participant by name

4. For each of the above functions, you are required to implement an appropriate method