

## CS212 Lab 2 – Using Arrays

Write a program with the following specifications:

1. The program reads UP TO 100 characters from the standard input stream.
2. The number of characters is  $\leq 100$  including spaces (which must not get "lost" by your I/O function). You will need to terminate reading when a newline or line-end character is detected OR when an end-of-file is detected because the input could be piped from a file like this:  
`yourpgm < datafile`
3. The program will store the data (including the spaces) in an array and process it from that array.
4. The program will print (display on the console) the content of the stream in reverse order on one line.
5. The program will print (on a new line) the odd-numbered elements of the array (starting at subscript VALUE = 1 (all elements will display on the same line )
6. The program will print (on a new line) the even-numbered elements of the array, starting at subscript VALUE = 0. (all elements will display on the same line )