

ESc101N: Fundamentals of computing(Lab Session 7)

September 14, 2009

Instructions

1. Please read the question carefully and write the program accordingly
2. Make sure that the TA has graded you program
3. The marks are distributed as follows. You get 60% of the marks if the basic algorithm is current, 20% if you manage to compile and execute and 20% for writing the code cleanly, i.e. using proper variable names, intending and making the code more readable.

Question 1. (10 marks) Given a sequence of positive integers $\{a_1, \dots, a_n\}$ a *vertical bar graph* is a sequence of n lines such that the i -th line consists of a_i '*'.

Write a program that will read n numbers from the user and prints its vertical bar graph.

Here is the sample output.

```
$ ./a.out
enter the sequence length: 5
enter a[0]: 2
enter a[1]: 8
enter a[2]: 3
enter a[3]: 6
enter a[4]: 1
the veritcal bar graph is:
**
*****
***
*****
*
$
```