CS252 Assignment Report

Aditya Modi

August 8, 2014

1 Introduction

This assignment is given as a recap to the prequel course CS251.

2 Assignment

2.1 Phase 1

Octave code generates random set of students with marks over 3 courses. Uniqueness is maintained by choosing a subset fro permutation of a set.

2.2 Phase 2

A perl script is written to make a MySQL database of following form

roll	course	assignment	project	exam

Table 1: marks

Similarly names table is to be created.

roll	name

Table 2: names

2.3 Phase 3

Using Table 2.2 and Table 2.2 created in section 2.2 by adding two columns *total* and *grade* on following basis.

$$grade = \begin{cases} A* & \text{if} & total \leq 95\%, \\ A & \text{if} & 80\% \leq total < 95\%, \\ A & \text{if} & 60\% \leq total < 80\%, \\ A & \text{if} & 45\% \leq total < 60\%, \\ A & \text{if} & 30\% \leq total < 45\%, \\ A & \text{if} & total < 30\%. \end{cases}$$

2.4 Phase 5
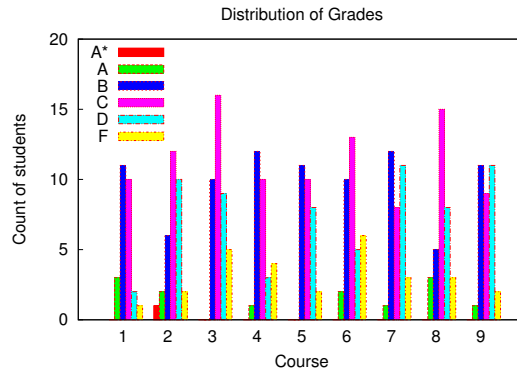
Have to create a gnuplot cluster histogram.

Figure 1: Phase 5 histogram

2.5 Phase 6

Created this file.

2.6 Phase 7

Created bash script for sorting and finding rank of students.

2.7 Phase 8

Link all files by creating a bash script to solve the assignment.

3 Result

No use of the assignment.