

## CSE 232 Systems Programming

2020 Spring

Lab work 8

Due date: End of Lab Hour

Purpose of This Lab work: The purpose of this lab work is to practice and execute awk commands on Linux

First you need to create a text file called `technology_markets_shares` which contains the following data:

Company id	Company name	Total company shares	Average price at stock market 2010	Average price at stock market 2020
1000	Apple	3000	200	300
1100	Samsung	2600	75	121
1200	Microsoft	1500	300	210
1300	Ibm	2800	260	100
1400	Huawei	3500	80	135
1500	Intel	4000	38	60
1600	Oracle	5000	150	280

Write an awk program that calculate percentage drop or gain in company shares in the stock market .Also, find the company name which recorded highest profits in the stock market. Lastly, find the company which have the highest shares in the stock market.

After executing your program you should have the below output:

Welcome to the Technology companies performance at Nasdaq

Percentage drop/gain in company shares at stock market

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1100 Apple : 50%

1200 Samsung:

1300 Microsoft:

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Company name: achieved best profit

Company name: has largest shares in stock market

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SUBMISSION Submit your awk program file as your labwork with the name  
“nameLastNameID\_labwork8” using COADSYS.