

CPSC 203

Week 1 Lab1
Dina A. Said
dasaid@ucalgary.ca

Introduction

- Who am I?
- CT:
Friday 11 am: 12 pm, MS236
Friday 12 pm: 1 pm, MS237

Class Rules:

- Ask, Ask, Ask
- Misconduct is **seriously** prevented
- **Don't** save files on Computer
- Drinks and food are not allowed in the lab
- Quizzes are open-notes
- Feedback is highly appreciated

Wiki

- <http://wiki.ucalgary.ca> → Computer Science
→ CPSC 203 → CPSC_203_Template
- /Fall 2009 Teaching Assistants → /F09 Dina Said
- /Fall 2009 Lab Manual

Blackboard

- <http://blackboard.ucalgary.ca>
- Make sure that your ID and PWD are working before the quiz

9/14/2009

CPSC203- Spreadsheets-Week1- Lab1

5

Spreadsheets

- Columns, rows, cells
- Auto Fill:
 - Numbers (any series)
 - Text
 - Date (month, year, or complete date)
 - Combinations (John01, John02, etc..)

9/14/2009

CPSC203- Spreadsheets-Week1- Lab1

6

Field Formats

- Currency
- Number
- Data
- General

9/14/2009

CPSC203- Spreadsheets-Week1- Lab1

7

Formulas

- You should use “=”
- Rename a new sheet Ex1
- If A=120, B=540 using Excel, calculate:
 - $C=A+B$
 - $D=B/A$
 - $E = B-C$
 - $F=-E/D$
- Use labels (texts) to highlights your answers

9/14/2009

CPSC203- Spreadsheets-Week1- Lab1

8

A	120
B	540
C	660
D	4.5
E	-120
F	124.5

Exercise

1. Copy the following Data to the first sheet, name it Ex2

Date	Food	Books	accessories	original price	Discount	Final price
3/1/2009	3	20	20.5	100	10%	90
4/1/2009	3	30	20	120	20%	96
				100	10%	90
				120	5%	114
				50	5%	47.5
				60	10%	54

2. Complete Date, Food, books, accessories using auto filling
3. Format the Date to be in the following format:
March 1, 2009
4. Format the original price and price after discount to be currency
5. Format the accessories to be a number of 2 decimal places
6. Format the columns names to be bold blue
7. Find the new price after discount. How??

If you perform formatting to the first cell, how do u apply changes for all other cells???

Date	Food	Books	accessories	original price	Discount	Final price
March 1, 2009	3	20	20.5	100	10%	90
April 1, 2009	3	30	20	120	20%	96
May 1, 2009	3	40	19.5	100	10%	90
June 1, 2009	3	50	19	120	5%	114
July 1, 2009	3	60	18.5	50	5%	47.5
August 1, 2009	3	70	18	60	10%	54

Functions

- Given 3,4,6
 - Sum (13)
 - Average (13/3)
 - Median (4)
 - What if they are four??
 - Min (3)
 - Max (6)
 - Count (3)

9/14/2009

CPSC209- Spreadsheets-Week1- Lab1

13

Functions

- STD (How diverse the data is)
 - STD of 3,4,6 is (1.5)
 - STD of 3,4,100 is (55.7)
 - STD of 99,100,101 is (1)
 - STD of 3,3,3 is (0)
- Mode (the most frequent)
 - Mode of 3,4,4 is (4)
 - Mode of 3,4,5 is (N/A)
 - Mode of 3,4,3,4,5 is (3) -- the least frequent number

9/14/2009

CPSC209- Spreadsheets-Week1- Lab1

14

Exercise

- Find the summation, average, median, min, max, std, and mode for data in Ex2

9/14/2009

CPSC209- Spreadsheets-Week1- Lab1

15

	Food	Books	accessories	original price	Discount	Final price
Sum	18	270	115.5	550	0.6	491.5
Average	3	45	19.25	667	0.1	6667
Min	3	20	18	50	0.05	47.5
Max	3	70	20.5	120	0.2	114
STD	0	18.7082	0.9354143	29.94439	0.0547722	25.7767
Median	3	45	19.25	100	0.1	90
Mode	3	#N/A	#N/A	100	0.1	90

9/14/2009

CPSC209- Spreadsheets-Week1- Lab1

16