



CSE 215L: Programming Language II Lab
Faculty: Silvia Ahmed, Sec -5, 6
Assignment 1–Summer 2021, Total: 20 points
Deadline: 27th July 2021

Submission guideline:

1. Create a single project for the assignment.
2. Inside the project create 2 separate classes namely **Task1_ YOUR_ID.java**, **Task2_ YOUR_ID.java** for the 2 tasks respectively.
3. After running the codes take a screenshot of the outputs and save as one .pdf file. Rename the file as **Assignment1_ YOUR_ID.pdf**.
4. You need to submit your 2 .java files with codes along with the pdf file in “**Online Assignment 1**” assignment.

Note: Your assignment will be marked on your submitted codes only. Therefore, if you fail to submit legitimate files maintaining the given guidelines, you have to accept the consequences.

Task – 1

10 points

Write a java program that counts the total marks of all the students and also calculates the class total and average. Take the marks of the students as user inputs and use a method to calculate the student total operation. Write a separate method that will calculate the class total and class average.

Sample Input / Output:

Student	Week				Total
	0	1	2	3	
0	99	42	74	83	298
1	57	81	69	67	274
2	88	61	79	84	312
3	93	75	78	87	333

Class Total: 1217

Class Average: 304.25

Task – 2

10 points

Write a java program that creates a 5*5 2D array of type Boolean. Take input from the user where indices represent people and the value at row i, column j of a 2d array is true only if i and j are friends and false otherwise.

Then print the array following the example given below:

#	0	1	2	3	4
0	*		*		*
1			*		
2	*	*			
3				*	*
4	*			*	*

(* means “friends”)

Also count the pair of friends represented by the array using a method. Note that each friendship might appear twice if i and j are different indices. As in the example above there are 7 pairs of friends.

Sample Input / Output:

Please enter Boolean values for the indices:

True False True False True
False False True False False
True True False False False
False False False True True
True False False True True

The array you entered:

#	0	1	2	3	4
0	*		*		*
1			*		
2	*	*			
3				*	*
4	*			*	*

Number of pair of friends: 7