

**CSE 1141 - COMPUTER PROGRAMMING I**  
**Programming Assignment # 1**  
**DUE DATE: 11/10/2017 - 23:59 (No extension)**

1. Write a program that will print your initials (the first letters of your name and surname) to standard output in letters that are nine lines tall. Each big letter should be made up of a bunch of \*'s. For example, if your initials were "D J", then the output would look something like:

```
*****
**      **
**      **
**      **
**      **
**      **
**      **
**      **
**      **
*****

*****
**
**
**
**
**
**
**
**
*****
```

Those with 2 names can choose only one of them to print.

2. Suppose you want to develop a program that changes a given amount of money into smaller monetary units. The program lets the user enter an amount as a double value representing a total money in "TL" and "kuruş", and outputs a report listing the monetary equivalent in the maximum number of 200TLs, 100TLs, 50TLs, 20TLs, 10TLs, 5TLs, 1TLs, and 50Krs, 25Krs, 10Krs, 5Krs, 1Krs, in this order, to result in the minimum number of coins.

An example output of your program should be like that:

```
Enter an amount in double, for example 11.56: 586.86
Your amount 586.86 consists of
2 200TLs
1 100TLs
1 50TLs
1 20TLs
1 10TLs
1 5TLs
1 1TLs
1 50Krs
1 25Krs
1 10Krs
0 5Krs
1 1Krs
```

*Hint: You can check the Case Study 2.17 “Counting Monetary Units” in your book!*

**Important Note:** The output of your program must be the same as the example above. Since your program will be automatically graded, a different kind of output may fail.

---

### Submission Instructions

Please zip and submit all your files using filename YourNumberHW1.zip (ex: 150713852HW1.zip) to Canvas system (under Assignments tab).

Your zip file should contain the followings:

1. Java source code for Problem 1 (Pro1\_150713852.java)
2. Java class file for Problem 1 (Pro1\_150713852.class)
3. Java source code for Problem 2 (Pro2\_150713852.java)
4. Java class file for Problem 2 (Pro2\_150713852.class)

### Notes:

1. Write a comment at the beginning of each program to explain the purpose of the program.
2. Write your name and student ID as a comment.
3. Include necessary comments to explain your actions.
4. Select meaningful names for your variables and class names.
5. You are allowed to use the materials that you have learned in lectures & labs.
6. Do not use things that you did not learn in the course.
7. In case of any form of **copying and cheating** on solutions, all parts will get **ZERO** grade. You should submit your own work. In case of any forms of cheating or copying, both giver and receiver are equally culpable and suffer equal penalties.

**All types of plagiarism will result in zero grade from the homework.**

8. No late submission will be accepted.

### Grading:

Problem 1 (40 points)

- Printing each character correctly in nine lines (15 points)
- Comments are necessary (10 points)

Problem 2 (60 points)

- Reading a double input from the user (10 points)
- Correct execution for the input 586.86 (10 points)
- Correct execution for test inputs (20 points)
- Output format correctness (10 points)
- Comments are necessary (10 points)