

## Homework #2

**Due date: February 28, 2018, Wednesday, 23:59.**

**Selection structures: Cell phone price packages**

A cell phone company offers three different price packages to its clients. In all of the packages there is a fixed monthly fee; in addition, telephone calls are priced according to per minute calling rate of that package. Package prices are as follows:

	Package A	Package B	Package C
Monthly fixed rate	1.50 TL	5.00 TL	10.00 TL
Same operator calls	0.35 TL/min	0.35 TL/min	0.10 TL/min
Land line calls	0.40 TL/min	0.35 TL/min	0.20 TL/min
Other operator calls	0.60 TL/min	0.35 TL/min	0.30 TL/min

Write a MATLAB program that will do the following:

- 1) Get the package type ("A", "a", "B", "b", "C", or "c").
- 2) Read the number of minutes the client has called same operator numbers, land line numbers, and other operator numbers.
- 3) If any of the durations is negative, display a warning and stop.
- 4) Calculate and display the client's bill.

The output of the program should look as below:

```
Select package (A/B/C): A
Calls towards same operator numbers (minutes): 0
Calls towards land line numbers (minutes): -1
Calls towards other operator numbers (minutes): 5
All durations must be zero or positive!

>>
```

```
Select package (A/B/C): c
Calls towards same operator numbers (minutes): 75
Calls towards land line numbers (minutes): 33
Calls towards other operator numbers (minutes): 18
Your bill is 29.5000 TL.

>>
```

Name your MatLab m-file as `h02yourlastname.m` and then upload it to Blackboard Learn at <http://ku.blackboard.com>. Anyone e-mailing his/her homework will lose points!

*While doing all your homework assignments, remember that:*

- You should not work together,
- You should not give or take any files,
- You should not give or take help other than simple verbal hints.