

ES 112 Homework

Due Date: 26.10.2016

Please send your homework to sgener@cse.yeditepe.edu.tr.

1. Write pseudo code of a program that creates a table which shows Fahrenheit temperatures and their Celcius equivalents between 0 F to 200 F in steps of 20 degrees. Remember that for the conversion you can use the formula $C=(5/9) (F-32)$. Your output should look like this:

0	-17
20	-6
40	4
60	15
80	26
100	37
120	48
140	60
160	71
180	82
200	93

2. Write flow chart of a program that computes the speed of a vehicle for a given initial velocity, acceleration, time and stepping value. For example, the following is the output of an execution where initial velocity is 10 m/s, acceleration is 5 m/s², time is 60 seconds and stepping value is 10 seconds.

0	10
10	60
20	110
30	160
40	210
50	260
60	310