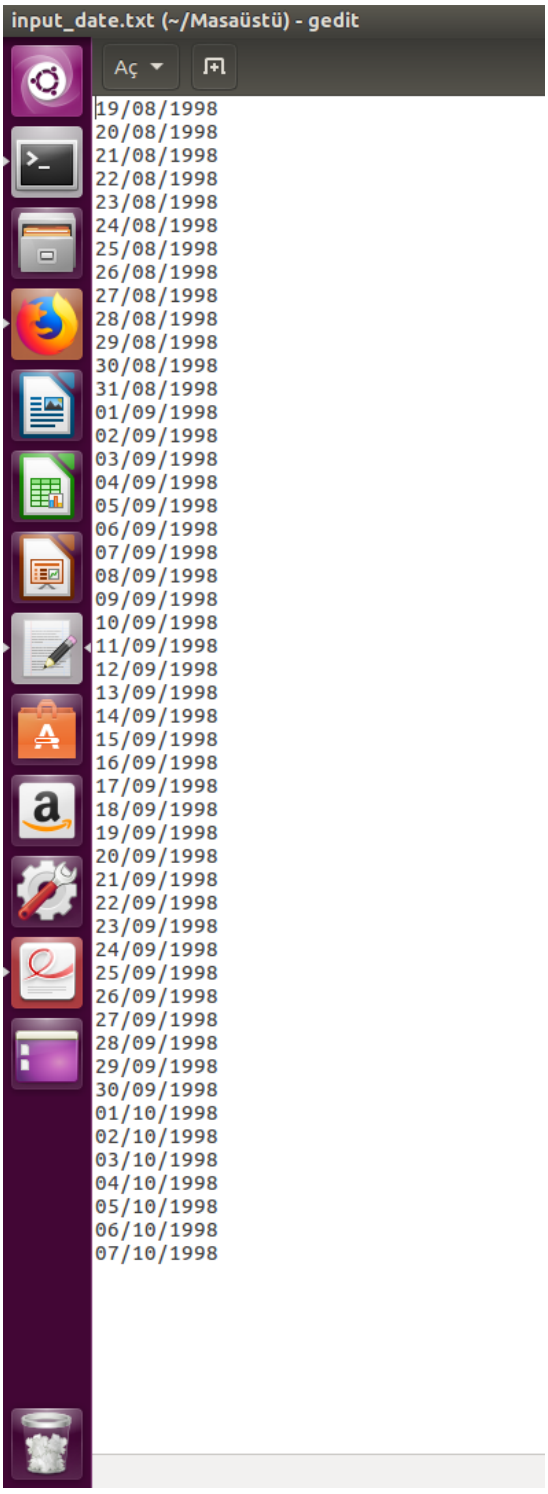
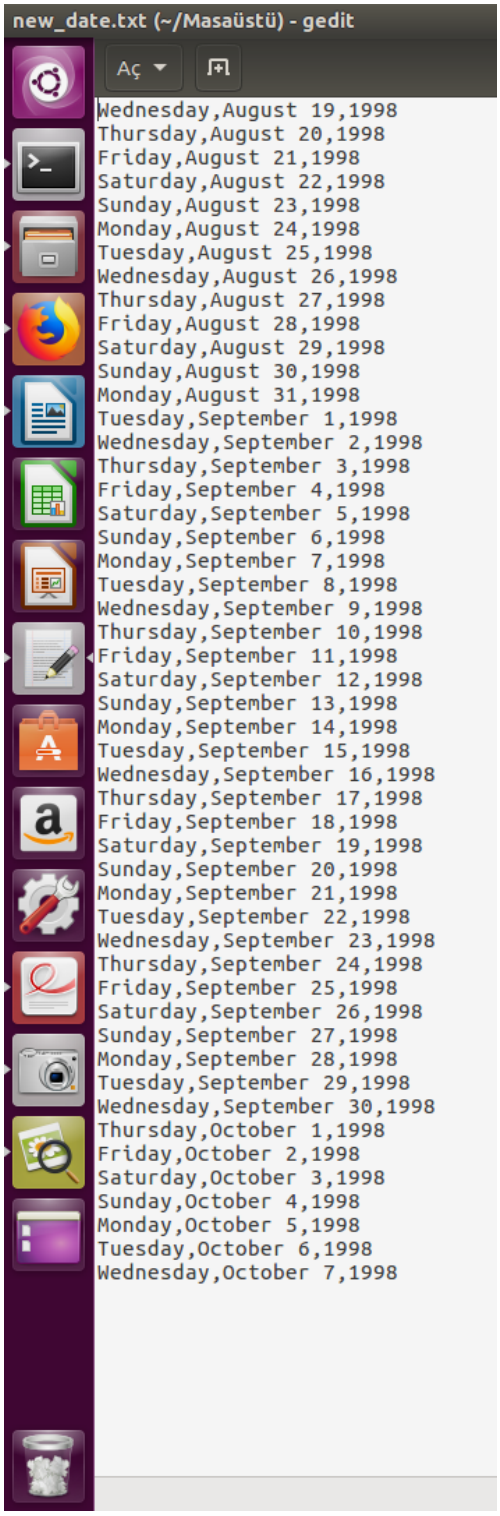
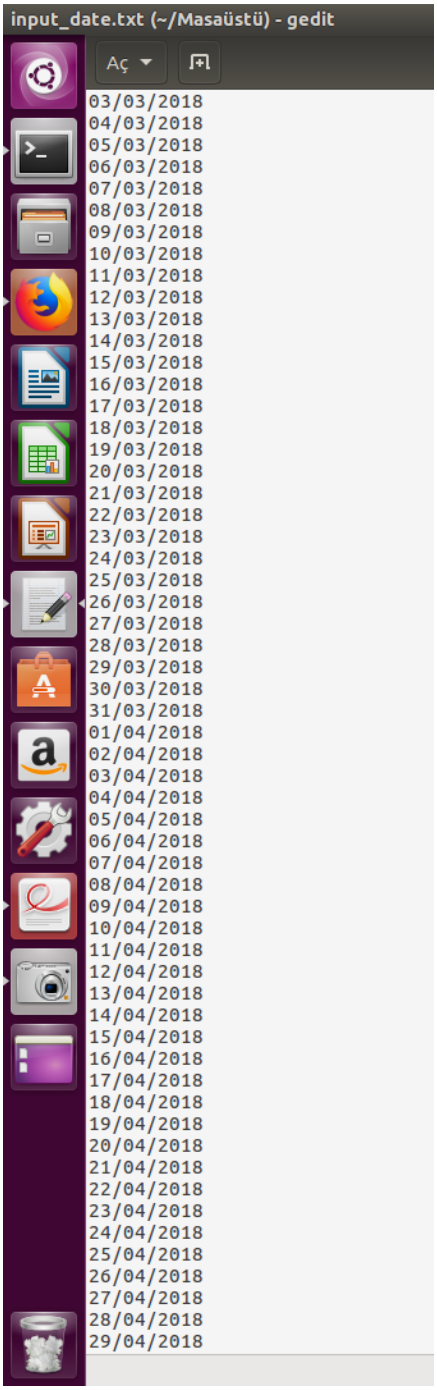
HW07 SCREEENSHOTS AND EXPLANATIONS






input_date.txt (~/Masaüstü) - gedit
Aç
03/03/2018
04/03/2018
05/03/2018
06/03/2018
07/03/2018
08/03/2018
09/03/2018
10/03/2018
11/03/2018
12/03/2018
13/03/2018
14/03/2018
15/03/2018
16/03/2018
17/03/2018
18/03/2018
19/03/2018
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28/03/2018
29/03/2018
30/03/2018
31/03/2018
01/04/2018
02/04/2018
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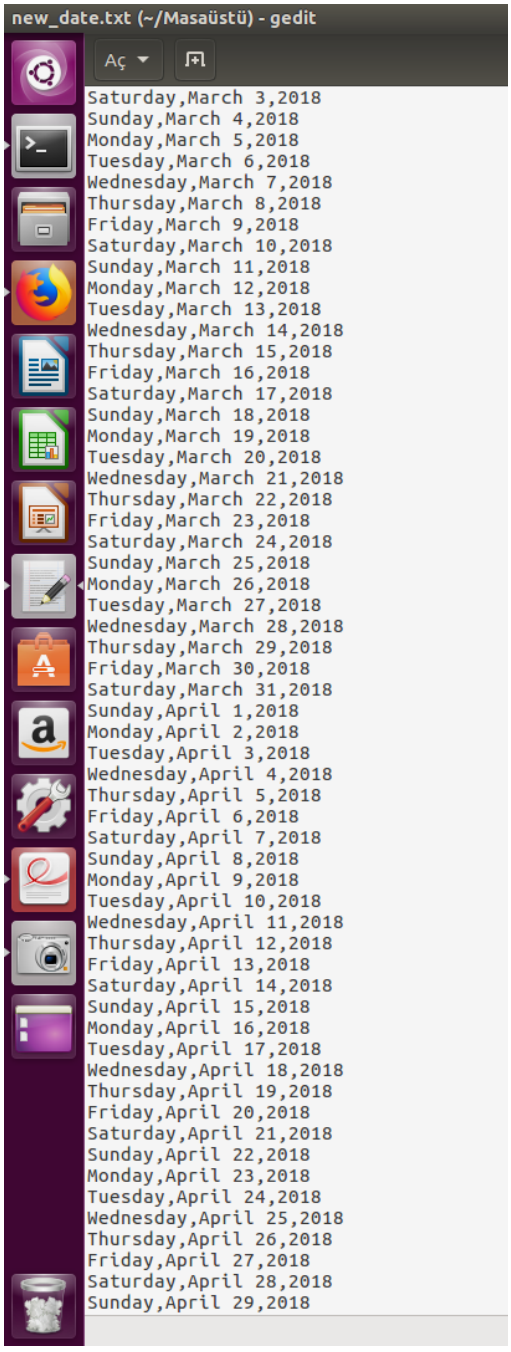
27/04/2018
28/04/2018
29/04/2018


new_date.txt (~/Masaüstü) - gedit
Aç
Saturday,March 3,2018
Sunday,March 4,2018
Monday,March 5,2018
Tuesday,March 6,2018
Wednesday,March 7,2018
Thursday,March 8,2018
Friday,March 9,2018
Saturday,March 10,2018
Sunday,March 11,2018
Monday,March 12,2018
Tuesday,March 13,2018
Wednesday,March 14,2018
Thursday,March 15,2018
Friday,March 16,2018
Saturday,March 17,2018
Sunday,March 18,2018
Monday,March 19,2018
Tuesday,March 20,2018
Wednesday,March 21,2018
Thursday,March 22,2018
Friday,March 23,2018
Saturday,March 24,2018
Sunday,March 25,2018
Monday,March 26,2018
Tuesday,March 27,2018
Wednesday,March 28,2018
Thursday,March 29,2018
Friday,March 30,2018
Saturday,March 31,2018
Sunday,April 1,2018
Monday,April 2,2018
Tuesday,April 3,2018
Wednesday,April 4,2018
Thursday,April 5,2018
Friday,April 6,2018
Saturday,April 7,2018
Sunday,April 8,2018
Monday,April 9,2018
Tuesday,April 10,2018
Wednesday,April 11,2018
Thursday,April 12,2018
Friday,April 13,2018
Saturday,April 14,2018
Sunday,April 15,2018
Monday,April 16,2018
Tuesday,April 17,2018
Wednesday,April 18,2018
Thursday,April 19,2018
Friday,April 20,2018
Saturday,April 21,2018
Sunday,April 22,2018
Monday,April 23,2018
Tuesday,April 24,2018
Wednesday,April 25,2018
Thursday,April 26,2018
Friday,April 27,2018
Saturday,April 28,2018
Sunday,April 29,2018

EXPLANATIONS

Input_date.txt file will consist of dates in dd/MM/yyyy format, that include all days between a start and an end date entered by user. For example, if user enter 30/05/2015 as a start date
and 30/05/2018 as an end date your function should generate all dates (day by day) between these two dates.To do this I make a fuction that includes if else statements to different conditions,for example your start year is equal to end year and start month is equal to end month or
start year is equal to end year and start month is not equal to end month or start year is smaller than end year and much more.And than i open input_date txt file and write days in this file.

Then,input_date.txt file, convert date format (dd/MM/yyyy) to (dddd, MMMM dd, yyyy) format and write this new formatted data into new_date.txt line by line.To do this i make a function
that is compare the date that is in input_date.txt file with 01/01/1800 Wednesday date because i know that day is wednesday.Firstly i take difference the year and 1800 and i find number of all leap years between them.Then i cross leap years 366 and remainder years 365.Then i find all number of days up to month of year that is in input_date.txt file.Then i adds all values and result take mod by 7.Then I add mod on Wednsday.For example if mod is 1,date is Thursday.Then i write all days in new_date.txt file.