You are required to create a circuit with above elements and display current date, day of week and time on LCD. It will be initially in English format and when push button is pressed, it will be changed into Turkish format. When the button is pressed again, it will change to English again.

In parallel to this operation, the screen will show the clock screen for a fixed amount of time and show information screen for a fixed amount of time. If the button is not pressed, this loop will continue in the currently selected language indefinitely. When the button is pressed, it will change the language and start this loop of showing clock screen and then info screen until the button is pressed again. The requested LCD screens of this assignment are given below with screen name given above the tables, character and cell coordinates given in first rows and columns:

ENGLISH CLOCK SCREEN:

	00	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
00	0	2	:	3	4	:	5	6		P	M			E	N	G
01	0	1	.	0	5	.	2	0	2	0				S	A	T

ENGLISH INFO SCREEN:

	00	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
00	H	H	:	M	M	:	S	S		1	2	H		L	N	G
01	D	D	.	M	M	.	Y	Y	Y	Y				D	O	W

TURKISH CLOCK SCREEN:

	00	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
00	1	4	:	3	4	:	5	6						T	U	R
01	0	1	.	0	5	.	2	0	2	0				C	M	T

TURKISH INFO SCREEN:

	00	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**
00	S	A	:	D	A	:	S	N		2	4	H		D	İ	L
01	G	G	.	A	A	.	Y	Y	Y	Y				G	Ü	N

int TIME_SCREEN_CLOCK = 2000; A variable used to store display time for clock screen. It is same for both English and Turkish language screens. It should be 2000 milliseconds to denote 2 seconds.

int TIME_SCREEN_INFO = 1000; A variable used to store display time for info screen. It is same for both English and Turkish language screens. It should be 1000 milliseconds to denote 1 second.

String TIME_STRING = “2021.05.01 - 14:34:56”; A variable used to store starting time of this program. You need to be able to split this string into different variables for time operations.

In reference to “TIME_STRING” variable above, you will need to deduce the weekday based on the calendar. Your program should only work for year 2021 (deducing weekday, calculating end of months or etc.), so don’t try to make a perfect calendar, just make sure it works for different dates in year 2021, including year changing dates from 2020 to 2021 and 2021 to 2022.