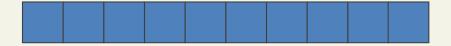
LAB 1 SIMPLE BANNER EXAMPLE

Displaying a rotating banner on the LCD screen

Start by thinking about a smaller/simpler example:
 10-character screen and 19-character message

The LCD screen



The message



Shift characters right-to-left

What's the desired program behavior?

- First display "Welcome to" and wait
- Then "elcome to " and wait
- Then "lcome to C" and wait
- Then "come to CP" and wait
- And so on...

This is simplified compared to Lab 1.

Give a general but precise description

First show characters 0-9 and wait
Then show characters 1-10 and wait
Then show characters 2-11 and wait
Then show characters 3-12 and wait
Etc.

Sketch the control flow of the program's behavior

```
set starting position in message at 0
loop forever
    clear the screen
    display 10 chars from the starting position
    shift the starting position to the next position
    wait for one second
end loop
```

Specify some details to start writing code

"display 10 chars from the starting position"

"shift the starting position to the next position"