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| **SMART DEVICE SENSORS PROGRAMMING** | | |  | | | **INTRODUCTION TO INFORMATICS** |
| LABORATORY WORK  LABORATORY WORK NR.: 7  6531BX028 PI18E | | |  | | | PRACTICAL ASSIGNMENT  SPOTIFY USER MANUAL  6531BX028 PI18E |
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| (SIGNATURE)  3/19/2021 | | |  | | | LECTURER |
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2021

Tasks:

Develop algorithms for previous laboratory work programs.

Answers:

1. /\*
2. This program will make a LED connected to 13th pin blink
3. \*/
4. int LED1 = 13;
5. void setup() {
6. // code setup to run once (initialize the digital pin as an output)
7. // if we would connect more LEDs, we would need to setup each pin here
8. pinMode(LED1, OUTPUT);
9. }
10. void loop() {
11. // main code which runs repeatedly
12. digitalWrite(LED1, HIGH);  // turn LED on (high level voltage)
13. delay(1000);                      // wait for a second
14. digitalWrite(LED1, LOW);   // turn LED off (low level voltage)
15. delay(1000);                      // wait for a second
16. }

To depict how this program works simply put I drew this flowchart. This is a really simple program with just one LED, so flowchart isn’t that complicated. It goes through a initialization and then goes into the loop.

