

Computer Technology I

Lab. 1: How to use the PORTs, Digital input/output, Subroutine call



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Semester: Autumn 2019 Area: Computer Science Course code: 1DT301

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1 Task 1

This is the code for the first task:

```
; 1DT301, Computer Technology I
; Date: 2019-09-09
; Author:
; Loic GALLAND
; Leonardo PEDRO
; Lab number: 1
; Title: How to use the PORTs. Digital input/output. Subroutine call.
; Hardware: STK600, CPU ATmega2560
; Function: Program to light up the LED number 2
; Input ports: NO inputs ports in this Task
; Output ports: The portB is used as an output ports
; Subroutines: If applicable.
; Included files: m2560def.inc
; Other information:
 Changes in program: (Description and date)
.includes "m2560def.inc"
ldi r16, 0xFF
out DDRB, r16
ldi r16 , 0b11111011
out portB, r16
```

2 Task 2

This is the code for the second task:

- 3 Task 3
- 4 Task 4
- 5 Task 5
- 6 Task 6