

FACULTY OF COMPUTERS, INFORMATICS AND
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LINUX PROGRAMMING

LABORATORY WORK #1

Window. Basic window's form elements

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Laboratory work #1

1 Purpose of the laboratory

Gain knowledge about basics of event-driven programming, understanding of windows class and basic possibilities of Win32 API. Also she will try to understand and process OS messages.

2 Laboratory Work Requirements

- **Basic Level (grade 5 - 6) you should be able to:**
 1. Create a Windows application
 2. In the middle of the window should be present the following text: "Done with Pride and Prejudice by student name". Replace student name with your name.
 3. On windows resize, text should reflow and be in window's middle (vertically and horizontally)
- **Normal Level (grade 7 - 8) you should be able to:**
 1. Realize the tasks from *Basic Level*.
 2. Add 2 buttons to window: one with default styles, one with custom styles (size, background, text color, font family/size)
 3. Add 2 text elements to window: one with default styles, one with custom styles (size, background, text color, font family/size)
- **Advanced Level (grade 9 - 10) you should be able to:**
 1. Realize the tasks from *Normal Level*.
 2. Make elements to interact or change other elements (2 different interactions) (ex. on button click, change text element color or position)
 3. Change behavior of different window actions (at least 3). For ex.: on clicking close button, move window to a random location on display working space

3 Laboratory Work Implementation

3.1. Tasks and Points

- (a) Clone the repository to the local machine
- (b) Add .gitignore and README.md files
- (c) Create folder MIDPS
- (d) Create first folder (Lab#1)
- (e) Make a Commit when it's required
- (f) Create a readme file
- (g) Create the report

3.1. Laboratory work analysis

`https://github.com/emptyshell/MIDPS.git`