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Домашняя работа (vim)
по дисциплине
«Системное программное обеспечение»



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Typing online

The vi editor can work in three modes – command, insert (or input), and string. When working in insert mode, the text is written to a temporary file that you are editing. In normal (command) mode, pressing the same keys will execute the built-in editor commands. To enter insert mode, simply press the “i” key, to return to command mode, press “Esc”.

Insert text from file

To insert the full contents of an arbitrary file, enter the command: **r <file_path>**

You can open the second file for editing with the command: **e <file_path>**

To switch between open files, use the command: **e # <file>**

After opening the files, you can use the commands below to copy and paste text from the vim clipboard.

Navigating text, paragraphs, lines, words, symbols

| Command | Action |
|---------------|---|
| h / j / k / l | Cursor to left / down / up / right |
| { / } | Move the cursor to the beginning / end of the current paragraph |
| (/) | Move the cursor to the beginning / end of the current sentence |
| ^ / \$ | Cursor to the beginning / end of the line |
| b / w | Cursor to the beginning of the previous / next word |
| gg / G | Cursor to the beginning / end of the file |
| : n | Cursor to the beginning of line n |

Copy, search-replace and delete text blocks

| Command | Action |
|---------------------|---|
| x / X | Delete the character under / in front of the cursor |
| d / ndd | Delete selection / n lines |
| dw / db | Delete the word after / before the cursor |
| v / V / Ctrl-v | Switch in selection mode (usually / lines / blocks) |
| y | Copy selection to clipboard |
| p / P | Paste from the buffer after / before the cursor |
| :%s/<str1>/<str2>/g | Replace all entries of <str1> with <str2> |

Changing Editor Parameters (Customization)

All settings can be made both for the current session and saved in the .vimrc configuration file. Then with each entry, your settings will be restored.

| Command | Action |
|------------|-----------------------|
| set number | Enable line numbering |

| | |
|---------------|------------------------------|
| set list | Display tabs and line breaks |
| set incsearch | Incremental search enable |
| set nowrap | Disable line wrapping |

Exiting the editor in various ways

First of all it is necessary to press the “Esc” key; the proportion of the transition to the command entry mode

| Command | Action |
|------------|--|
| :q / :qa | Safe exit from current window / from all windows |
| :wq / :wqa | Write changes and exit / for all windows |
| :x | Save if there are changes and exit. |
| :q! / :qa! | Exit without saving / for all buffers |

Work with multiple windows

| Command | Action |
|------------------|-----------------------------|
| :split / :vsplit | Horizontal / vertical split |
| Ctrl-W + s / v | Horizontal / vertical split |
| Ctrl-W + n | New window (file) |
| Ctrl-W + hjkl | Move between windows |
| Ctrl-W + c | Close the window |

Work with the command interpreter

| Command | Action |
|---------|---|
| :!pwd | Run the pwd command and return |
| !!pwd | Run pwd command and insert result into editor |
| :sh | Open shell |
| \$ exit | Return to the editor from shell |

Work with buffers

| Command | Action |
|----------------|--|
| :ls / :buffers | Open view buffers |
| :e[dit] <file> | Open file <file> in new buffer |
| :bn[ext] | Transition to the next buffer |
| :bp[revious] | Go to previous buffer |
| :b# | transition to the buffer #, where # is the number from the list of buffers |
| :bd | Delete current buffer |
| :bmod | Transition to the next unsaved buffer |

Work in visual mode

The visual mode is intended primarily for easy text selection..

| Command | Action |
|----------------|---|
| v / V / Ctrl-v | Switch in selection mode (usually / lines / |

| | |
|-------|---|
| | blocks) |
| y | Copy selection to clipboard |
| p / P | Paste from the buffer after / before the cursor |