

Лабораторная работа 12

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Программирование в командном процессоре ОС UNIX. Ветвления и циклы

- Изучить основы программирования в оболочке ОС UNIX.
- Научится писать более сложные командные файлы с использованием логических управляющих конструкций и циклов.

- написать 4 командных файла.
- написать программу на Си.
- работа с файлом .txt.

Выполнение лабораторной работы (1/4)

The screenshot shows the GNU Emacs editor with the following elements:

- Menu Bar:** File, Edit, Options, Buffers, Tools, On-Screen, Help.
- Toolbar:** Icons for undo, redo, save, and other standard editing functions.
- File Name:** emacsbld.sh
- Script Content:**

```
#!/bin/bash
while getopts :ioip:cn optletter
do case $optletter in
  i) iflag=1; sval=${OPTARG};;
  o) oflag=1; sval=${OPTARG};;
  p) pflag=1; sval=${OPTARG};;
  C) Cflag=1;;
  n) nflag=1;;
  *) echo illegaloption $optletter
  esac
done
if ((Cflag=1&&oflag=1));
then grep -v $sval -i -n $sval
else
  then grep -v $sval -i -n $sval > $sval
  fi
fi
if ((Cflag=1&&oflag=0));
then grep -v $sval -i $sval
if {{oflag=1}}
then grep -v $sval -i $sval > $sval
fi
fi
if ((Cflag=0&&oflag=1));
then grep -v $sval -n $sval
if {{oflag=1}}
then grep -v $sval -i $sval > $sval
fi
fi
if {{Cflag=0&&oflag=0}}
then grep -v $sval $sval
if {{oflag=1}}
then grep -v $sval $sval > $sval
fi
fi
fi
```
- Status Bar:**
 - Line 60, Column 11
 - Shell-Script(bash) B: max 28.11.27 9:99
 - Version 2.8.1 Emacs, the editor of the GNU/Linux system
 - Basic Tutorial: Learn basic keyboard commands (F4=Emacs)
 - 0:38 - GNU Emacs: Top 1.3: (fundamental) B: max 28.11.27 9:99
 - beginning of buffer
- Bottom Bar:**
 - Buttons: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692,

(2/4)

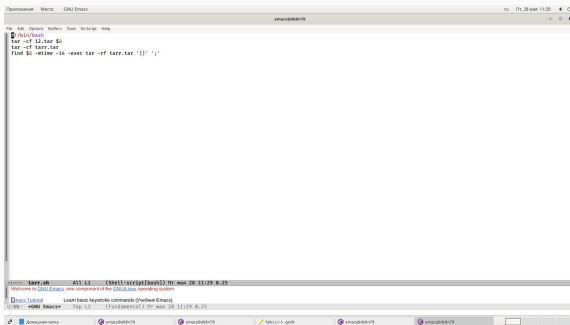
The screenshot displays the GNU Emacs text editor with a C program named `failci.c`. The program's logic is as follows:

```

1 #include <stdio.h>
2 #include <stdlib.h>
3
4 int main()
5 {
6     printf("Bogate nebo: ");
7     scanf("%i", &x);
8     if (x==10)
9         exit(0);
10    while (1)
11    {
12        if (rand()
13        {
14            return (1);
15    }

```

The editor's status bar at the bottom indicates the file is `failci.c` at line 15, column 1. The menu bar includes File, Edit, Options, Buffers, Tools, and Other. The toolbar contains icons for opening, saving, and other file operations. The bottom status bar also shows the current buffer is `failci.c` and the file is located at `/home/.../failci.c`.



The screenshot shows an Emacs editor window titled 'GNU Emacs' with a file named 'tar.sh' open. The file contains the following shell script:

```
#!/bin/bash
tar -czf 12.tar $0
tar -czf tar.tar
find $0 -name -14 -exec tar -rf tar.tar '{}' ';'


```

The Emacs interface includes a menu bar (File, Edit, Options, Buffers, Tools, Shell, Help), a status bar at the bottom showing 'tar.sh', and a taskbar at the very bottom with several open windows including 'tar.sh', 'emacs', and 'emacs-19'.

Рис. 2: Командный файл

- Я успешно изучила основы программирования в оболочке ОС UNIX.
- Научилась писать более сложные командные файлы с использованием логических управляющих конструкций и циклов.

ссылка 2 ссылка 1