semyon@semyon-VirtualBox:~$ cat head

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\* \*

\* Лабораторная работа №12 \*

\* Техника работы с целыми \*

\* числами \*

\* \*

\* Работу выполнил: \*

\* Стеснягин Семён \*

\* Группа 80-102Б \*

\* \*

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

semyon@semyon-VirtualBox:~$ cat lab12\_var14.c

#include <stdio.h>

int main(void) {

int number, state = 0, lastDigit = 10, currentDigit;

while (scanf("%d", &number) != EOF) {

while (number != 0) {

currentDigit = number % 10;

number = number / 10;

if (currentDigit == lastDigit) {

printf("%s\n", "There are identical adjacent digits in the number.");

state = 1;

break;

}

lastDigit = currentDigit;

}

if (state == 0) {

printf("%s\n", "There are NO identical adjacent digits in the number.");

}

state = 0;

lastDigit = 10;

}

return 0;

}

semyon@semyon-VirtualBox:~$ gedit lab12\_var14.c

semyon@semyon-VirtualBox:~$ gcc lab12\_var14.c

semyon@semyon-VirtualBox:~$ ./a.out

0

There are NO identical adjacent digits in the number.

1

There are NO identical adjacent digits in the number.

-1

There are NO identical adjacent digits in the number.

11

There are identical adjacent digits in the number.

-11

There are identical adjacent digits in the number.

1234321

There are NO identical adjacent digits in the number.

123455123

There are identical adjacent digits in the number.

-1231233

There are identical adjacent digits in the number.

-5345431

There are NO identical adjacent digits in the number.

987544

There are identical adjacent digits in the number.