Лабораторная работа №1

***I Код (написан на языке C++)***

**#include <iostream>**

**#include <stdlib.h>**

**using namespace std;**

**int Count(int n, int x);**

**int main()**

**{**

**int x, n, copyNum;**

**int counter = 0;**

**cout << "Introduce value n and number x: ";**

**cin >> n >> x;**

**copyNum = n;**

**while(copyNum > 0)**

**{**

**if (copyNum % 10 == x) counter += 1;**

**copyNum /= 10;**

**}**

**cout << "\nIteration";**

**cout << "\nNumber " << x << " meets " << counter << " times in value " << n;**

**cout << "\nRecursiveness";**

**cout << "\nNumber " << x << " meets " << Count(n, x) << " times in value " << n;**

**return 0;**

**}**

**int Count(int n, int x)**

**{**

**if ((n/10) != 0)**

**{**

**if(n % 10 == x)**

**return 1 + Count((n/10), x);**

**else**

**return Count((n/10), x);**

**}**

**else**

**return 0;**

**}**