UREJANJE Z VSTAVLJANJEM

#include <iostream>

#include <stdlib.h>

#include<time.h>

using namespace std;

void sort\_z\_vstavljanjem(int x[], int n);

int main()

{

int x[6],i,j,k,pom;

srand(time(NULL));

for(i=0;i<6;i++)

x[i]=rand()%(100);

for(i=0;i<6;i++)

cout<<x[i]<<", ";

sort\_z\_vstavljanjem(x,6);

cout<<endl<<"pisemo novo tabelo\n";

for(i=0;i<6;++i)

cout<<x[i]<<" ";

return 0;

}

void sort\_z\_vstavljanjem(int x[], int n)

{

int j;

for(int i=1;i<n;i++)

{

int pom=x[i];

j=i-1;

while (pom < x[j] && j>=0)

{

x[j+1]=x[j];

j--;

}

x[j+1]=pom;

}

}

V neurejenem delu tabele vzamemo i-ti (i gre od 1!!) element tabele in ga vstavimo na pravo mesto v urejenem delu tabele.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 18 | **11** | 3 | 7 | 12 | 5 |
| 11 | 18 | **3** | 7 | 12 | 5 |
| 3 | 11 | 18 | **7** | 12 | 5 |
| 3 | 7 | 11 | 18 | **12** | 5 |
| 3 | 7 | 11 | 12 | 18 | **5** |
| 3 | 5 | 7 | 11 | 12 | 18 |