3-DEDLINE TOPSHIRQ

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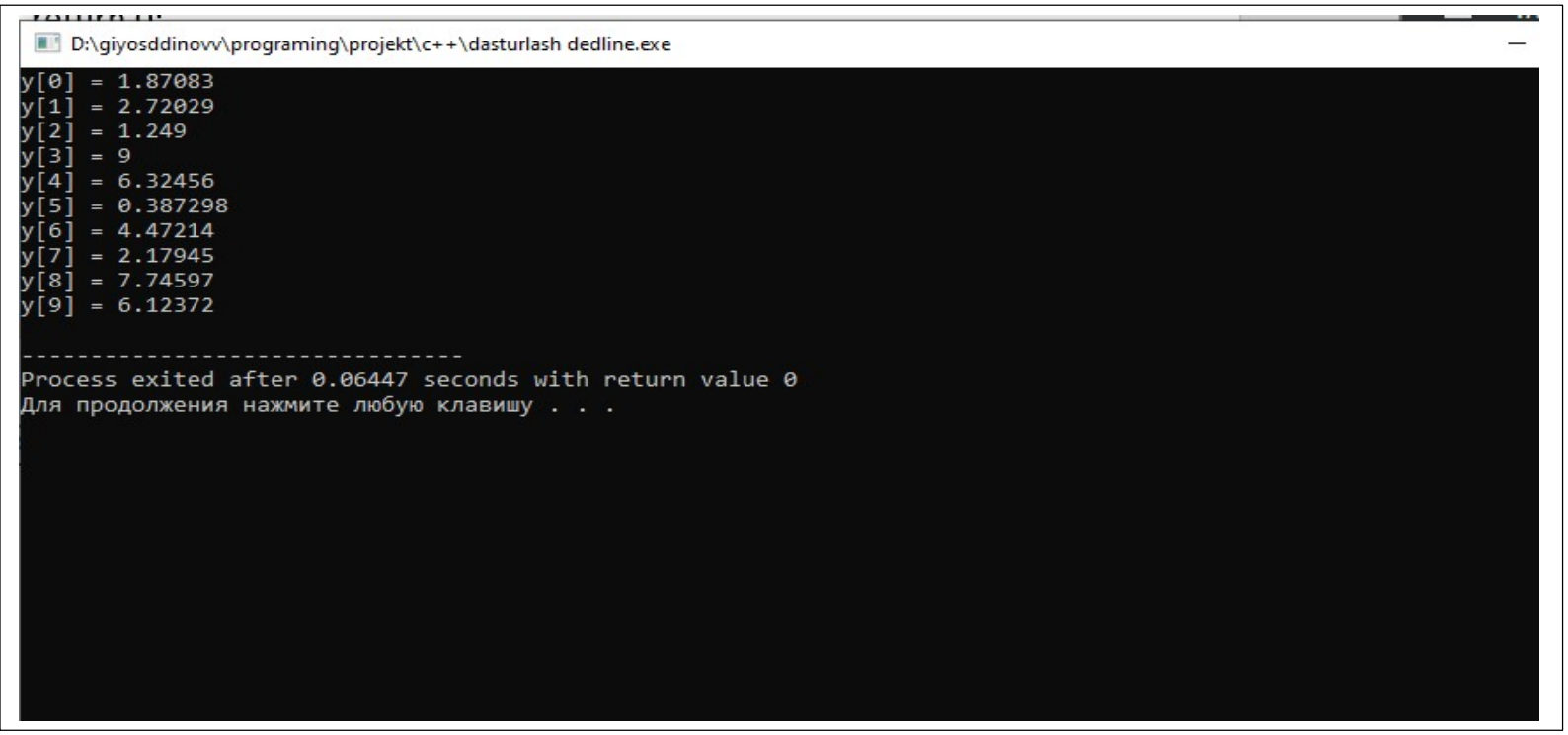
1-TOPSHIRQ

5.	Berilgan $\{x\}$: $-3,5; 7,4; 1,56; 81; 40; -0,15; 20; -4,75; 60; 37,5$. massivdan quyidagi formula asosida $y_i = \sqrt{\lvert x_i \rvert}$ $(i = 1,2,\ldots,10)$ massiv hosil qiling va ustun ko‘rinishda chop eting.

DASTUR KODI:

```
#include <iostream>
#include <iomanip>
#include <math.h>
using namespace std;
int main()
{
	float arr[10]={-3.5,7.4,1.56,81,40,-0.15,20,-4.75,60,37.5};
	float ar[10];
	for(int i=0;i<10;i++)
	{
		ar[i]=sqrt(fabs(arr[i]));
		cout<<"y["<<i<<"] = "<<ar[i]<<endl;
	}
	return 0;
}
```

DASTUR NATIJASI:



2-TOPSHIRQ

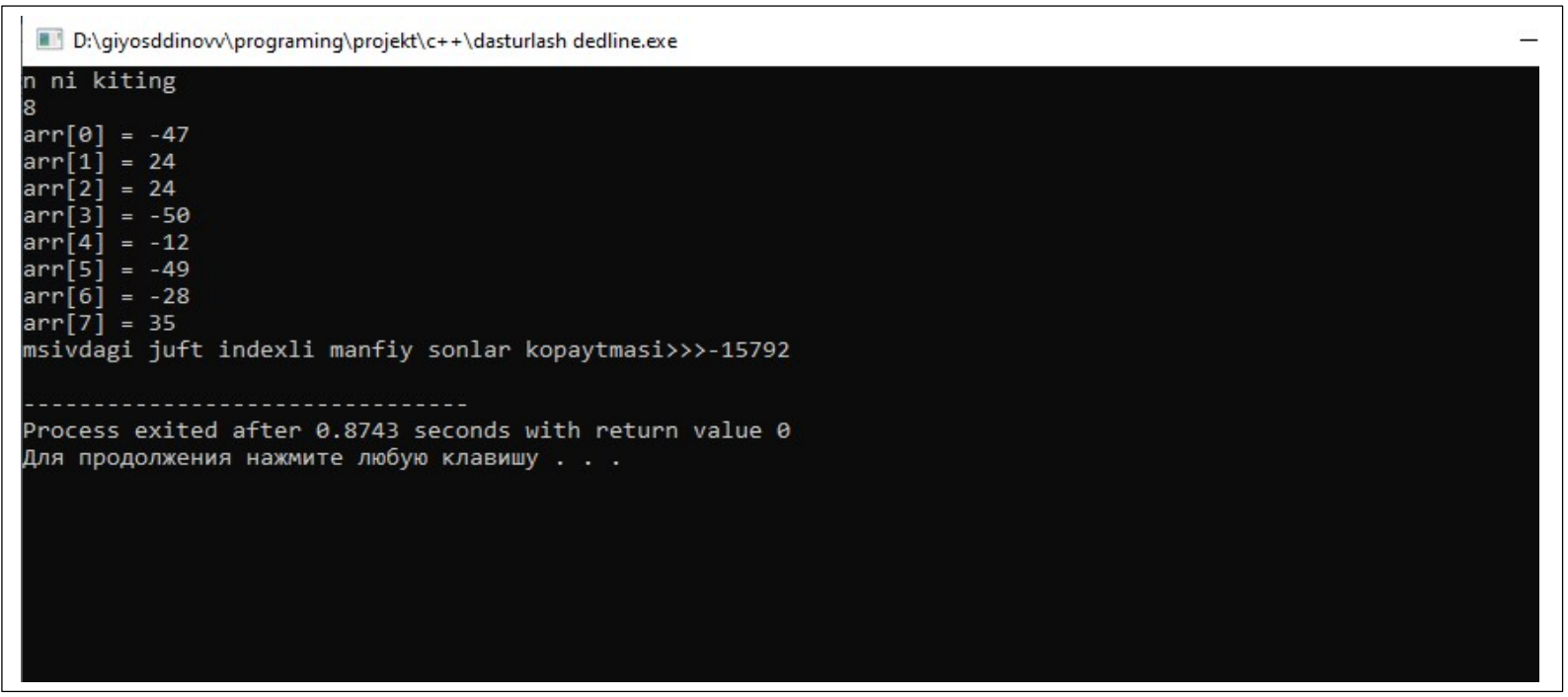
5	***Z(K)*** massivining manfiy, juft indeksli elementlarining ko‘paytmasini toping.

DASTUR KODI:

```
#include <iostream>
#include <iomanip>
#include <time.h>
#include <stdlib.h>
using namespace std;
int main()
{
	int umum=1;
	srand(time(0));
	int n;
```

```
	cout<<"n ni kiting\n";
	cin>>n;
	int arr[n];
	for(int i=0;i<n;i++)
	{
		arr[i]=rand()%100-50;
		cout<<"arr["<<i<<"] = "<<arr[i]<<endl;
	}
	for(int i=0;i<n;i++)
	{
		if(i%2==0 && arr[i]<0)
		{
			umum=umum*arr[i];
		}
	}
	if(umum==1){
		cout<<"masivda juft indexli mafiy son topilmadi"<<endl;
	}
	else{
		cout<<"msivdagi juft indexli manfiy sonlar
kopaytmasi>>>"<<umum<<endl;
	}
	return 0;
}
```

DASTUR NATIJASI:



3-TOPSHIRQ

5. a[n][m] massiv elementlarini [-500; 500] oraliqdagi tasodifiy sonlar bilan to‘ldiring. massivni ustun elementlarini o‘sish tartibida chiqaring.

DASTUR KODI:

```
#include <iostream>
#include <stdlib.h>
#include <time.h>
using namespace std;

int main() {
   srand(time(0));

   int n, m;
   cout <<"n= ";
   cin >> n;
```

```
cout << "m= ";
cin >> m;
int arr[n][m];
for (int i = 0; i < n; i++) {
    for (int j = 0; j < m; j++) {
        arr[i][j] = rand() % 1001 - 500;
    }
}
for (int j = 0; j < m; j++) {
    for (int i = 0; i < n - 1; i++) {
        for (int k = 0; k < n - i - 1; k++) {
            if (arr[k][j] > arr[k + 1][j]) {
                int temp = arr[k][j];
                arr[k][j] = arr[k + 1][j];
                arr[k + 1][j] = temp;
            }
        }
    }
    cout << "ustn" << j + 1 << ": ";
    for (int i = 0; i < n; i++) {
        cout << arr[i][j] << " ";
    }
    cout << endl;
}

return 0;
```

}

DASTUR NATIJASI: