

# **O'zbekiston Respublikasi axborot texnologiyalari va kommunikatsiyalarni rivojlantirish vazirligi**



**Muxammad Al-Xorazmiy nomidagi Toshkent axborot  
texnologiyalari universiteti**

**Sirtqi**

**Amaliy ish-1**

Bajardi: Kalandarov Elyor

Tekshirdi: Aliqulov Akmal

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## 1-topshiriq

6	$Z = \begin{cases} \frac{ax^2}{b-1}, & \text{agar } a < 9 \\ (a+1)^3 + cx^3, & \text{agar } a \geq 9 \end{cases};$
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Compiler

```

main.cpp
1 // Online C++ compiler to run C++
  program online
2 #include <iostream>
3 #include <math.h>
4 using namespace std;
5
6 int main() {
7     double Z,x,a,c,b;
8     cout<<"x: ";cin>>x;
9     cout<<"a: ";cin>>a;
10    cout<<"c: ";cin>>c;
11    cout<<"b: ";cin>>b;
12    if(a=9)
13        Z = (a*x*x)/(1-b);
14    else Z = pow((a+1),3)+c*x*x*x;
15    cout<<"Z= "<<Z;
16    return 0;
17 }
18 }
  
```

Output

```

/tmp/a42rU073L8.o
x: 3
a: 2
c: 1
b: 3
Z= -40.5
  
```

## 2-topshiriq

```

main.cpp
1 // Online C++ compiler to run C++ program online
2 #include <iostream>
3 #include <math.h>
4 using namespace std;
5
6 int main() {
7     int a , m;
8     cout<< "metr: "; cin>>m;
9     cout<<"1 km\n 2 disimetr\n 3 santimetr\n 4 millimetr\n ";
10    cin>> a;
11    switch(a){
12        case 1: cout<<m/1000; break;
13        case 2: cout<<m*1000; break;
14        case 3: cout<<m*100; break;
15        case 4: cout<<m*10000; break;
16        default : cout<<"xato ";
17    }
18    return 0;
19 }
20 }
  
```

Output

```

/tmp/a42rU073L8.o
metr: 3
1 km
2 disimetr
3 santimetr
4 millimetr
  
```

