

**O‘ZBEKISTON RESPUBLIKASI AXBOROT TEXNOLOGIYALARI VA
KOMMUNIKATSIYALARINI RIVOJLANTIRISH VAZIRLIGI**

**MUHAMMAD AL-XORAZMIY NOMIDAGI TOSHKENT AXBOROT
TEXNOLOGIYALARI UNIVERSITETI**



_____**AKT SOHASIDA IQTISODIYOT VA MENEJMENT**_____
FAKULTETI

“Dasturlash 1” fani

Joriy nazorat uchun laboratoriya topshirig'i

Topshirdi: _011-20_ sirtqi guruh talabasi
_____Mamadaliev Hojimurod_____

Qabul qildi:_____

1-jadval

```
#include <iostream>
```

```
#include <math.h>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
    cout << "011-20-guruh talabasi Mamadaliev Hojimurod 21-variant" << endl;
```

```
    cout << "x = 0.007 y = 0.4" << endl;
```

```
    float x = 0.007;
```

```
    float y = 0.4;
```

```
    float e = 2.71;
```

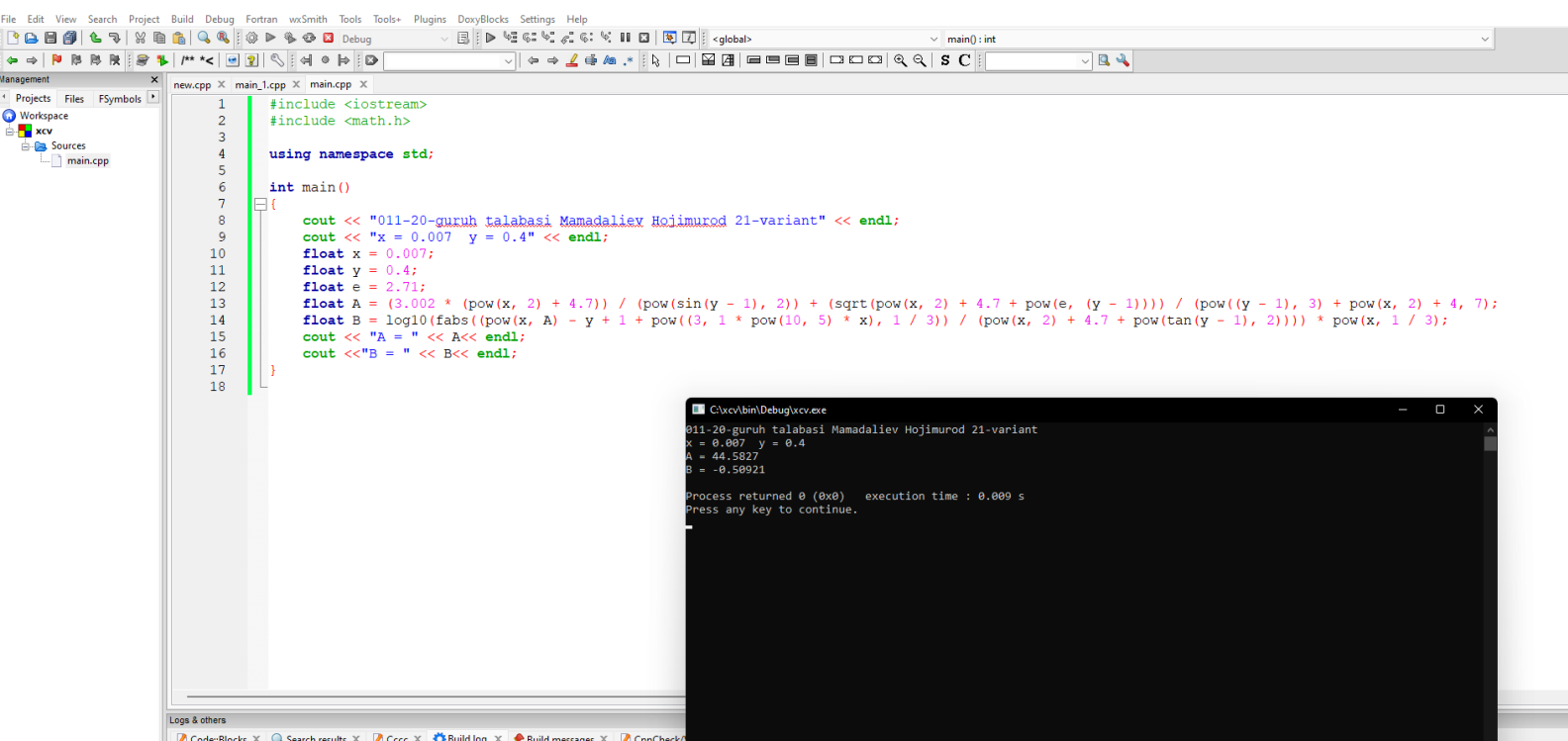
```
    float A = (3.002 * (pow(x, 2) + 4.7)) / (pow(sin(y - 1), 2)) + (sqrt(pow(x, 2) + 4.7 + pow(e, (y - 1)))) /  
(pow((y - 1), 3) + pow(x, 2) + 4, 7);
```

```
    float B = log10(fabs((pow(x, A) - y + 1 + pow((3, 1 * pow(10, 5) * x), 1 / 3)) / (pow(x, 2) + 4.7 +  
pow(tan(y - 1), 2)))) * pow(x, 1 / 3);
```

```
    cout << "A = " << A << endl;
```

```
    cout << "B = " << B << endl;
```

```
}
```



2-jadval

```
#include "iostream"

#include "math.h"

using namespace std;

int main()

{ float a,b,x,z,y;

cout << "011-20-guruh talabasi Mamadaliev Hojimurod 21-variant" << endl;

cout<<"a=";

cin>>a;

cout<<"b=";

cin>>b;

cout<<"z=";

cin>>z;

if(z<=0) x=pow(z,2)/2;

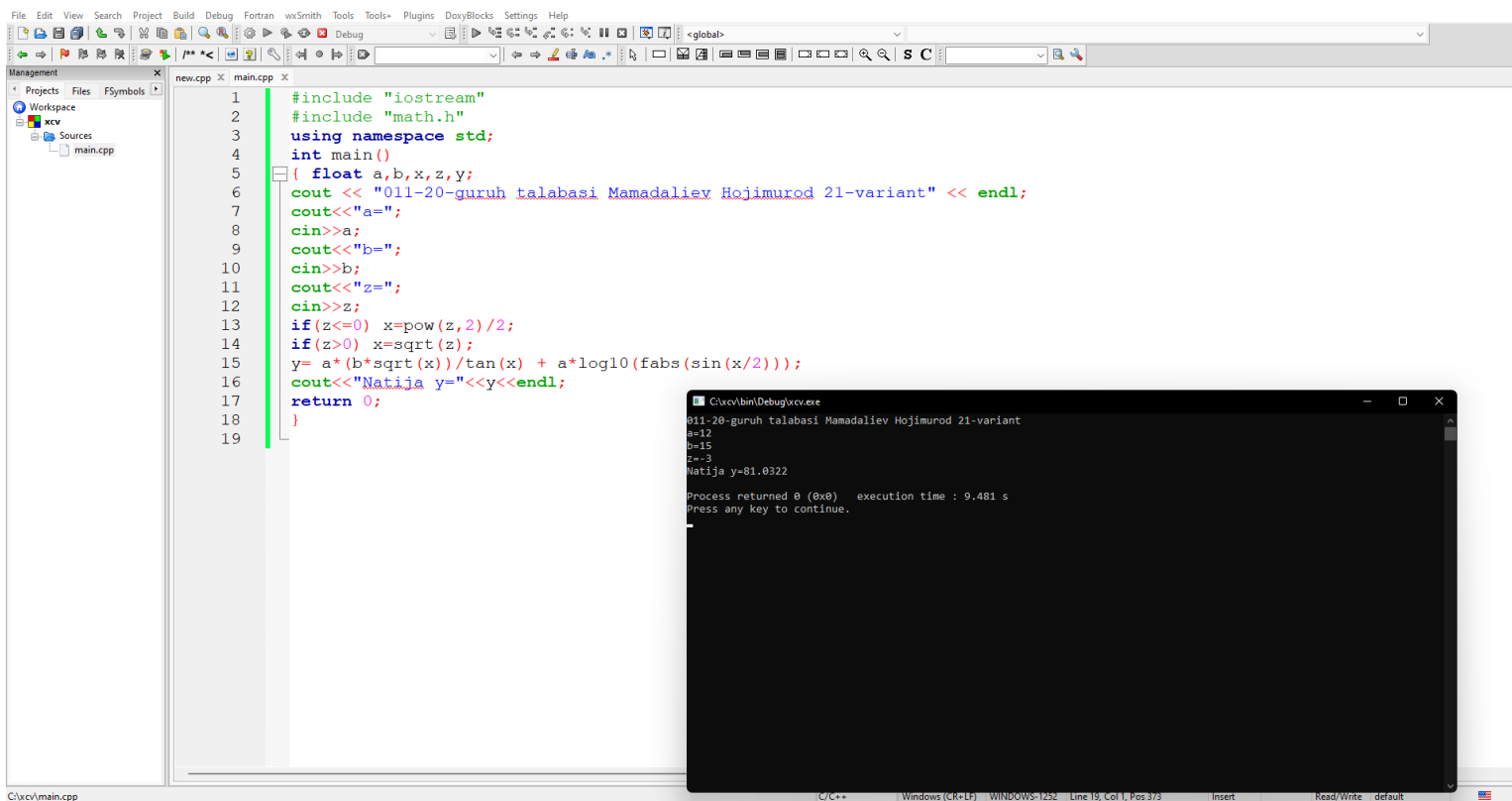
if(z>0) x=sqrt(z);

y= a*(b*sqrt(x))/tan(x) + a*log10(fabs(sin(x/2)));

cout<<"Natija y="<<y<<endl;

return 0;

}
```



3-jadval

```
#include "iostream"

#include "math.h"

using namespace std;

float find_y(float z, float x){

    float y;

    if (fabs(z)> 2*fabs(x)){

        y = sqrt(3*pow(x,2)+4*pow(z,2));

    }

    else if (fabs(z) <= 2*fabs(x)){

        y = sqrt((3*pow(x,2))-(4*pow(z,2)));

    }

    return y;

}

int main(){

    float z,x;

    cout << "\n\n011-20-guruh talabasi Mamadaliev Hojimurod 21-variant" << endl;

    cout<<"z= ";

    cin>>z;

    cout<<"x= ";

    cin>>x;

    float result = find_y(z,x); //Funksiya

    if(not isnan(result)) cout<<"Natija y = "<<result<<endl;

    else cout<<"Minus sondan Ildiz chiqmaydi"<<endl;

    main();

}
```

