O‘ZBEKISTON RESPUBLIKASI AXBOROT TEXNOLOGIYALARI VA KOMMUNIKATSIYALARINI RIVOJLANTIRISH VAZIRLIGI

MUHAMMAD AL-XORAZMIY NOMIDAGI TOSHKENT AXBOROT TEXNOLOGIYALARI UNIVERSITETI

Informatika asoslari kafedrasi
Dasturlash Fani

1 - AMALIY ISH

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1-topshiriq

12.04.2003

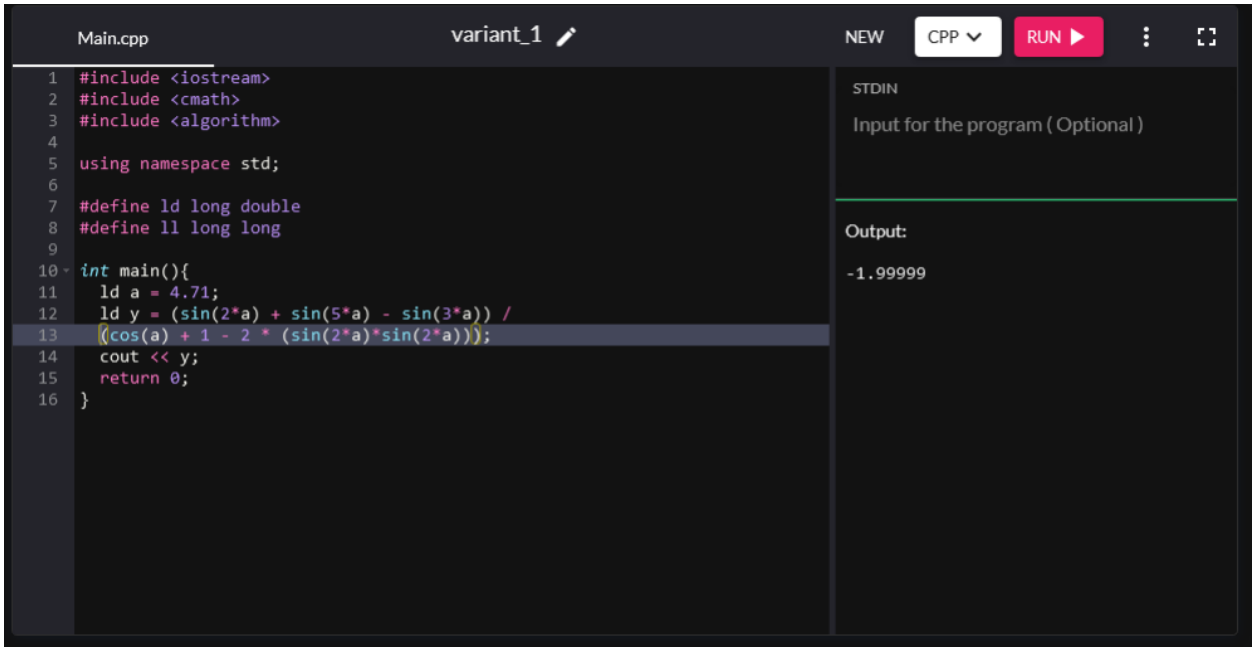
18.	$Y = \frac{\sin 2\alpha + \sin 5\alpha - \sin 3\alpha}{\cos \alpha + 1 - 2sin^2 2\alpha}$	$\alpha = 4.71$

```
#include <iostream>
#include <cmath>
#include <algorithm>

using namespace std;

#define ld long double
#define ll long long

int main(){
    ld a = 4.71;
    ld y = (sin(2*a) + sin(5*a) - sin(3*a)) / (cos(a) + 1 - 2 * (sin(2*a)*sin(2*a)));
    cout << y;
    return 0;
}
```



2-topshiriq

12.04.2003

18	$c = 2^{y^x} + (3^x)^y - \frac{y(\text{arctg}\,(z - \frac{\pi}{6}))}{\lvert x\rvert + \frac{1}{y^2+1}}$	x=5.243, y=0.235, $z=0.345 * 10^{-4}$ c=3.201

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```
#include <iostream>
#include <cmath>
#include <algorithm>

using namespace std;

#define ld long double
#define ll long long
#define ex 2.71828
#define pi 3.14159265359

int main(){
   ld x = 5.243, y = 0.235, z = 0.0000345, c;
   c = pow(2, pow(y, x)) + pow(pow(3, x), y) - (y * atan(double(z - (pi / 6))))
   /(fabs(x) + (1 / (y*y+1)));

   cout << c;
   return 0;
}
```