#include <iostream>

#include <cmath> // for M\_PI

Class Cylinder {

Private:

Double radius; // radius of the cylinder

Double height; // height of the cylinder

Public:

Cylinder(double r, double h) : radius®, height(h) {}

Void surfaceArea() {

Double area = 2 \* M\_PI \* radius \* (radius + height);

Std::cout << “Surface Area of the cylinder: “ << area << std::endl;

}

Void volume() {

Double vol = M\_PI \* std::pow(radius, 2) \* height;

Std::cout << “Volume of the cylinder: “ << vol << std::endl;

}

};

Int main() {

Double r, h;

Std::cout << “Enter the radius of the cylinder: “;

Std::cin >> r;

Std::cout << “Enter the height of the cylinder: “;

Std::cin >> h;

Cylinder cyl(r, h);

Cyl.surfaceArea();

Cyl.volume();

Return 0;

}