

# C Program: Calculate Volume and Surface Area of a Cylinder

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// simple C program to calculate the volume and surface area of a cylinder
/*
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*/

#include <stdio.h>
#define PI 3.1416

int main() {
    double radius, height, volume, surfaceArea;

    printf("Enter the radius of the cylinder: ");
    if (scanf("%lf", &radius) != 1) {
        printf("Invalid input for radius.\n");
        return 1;
    }

    printf("Enter the height of the cylinder: ");
    if (scanf("%lf", &height) != 1) {
        printf("Invalid input for height.\n");
        return 1;
    }

    volume = PI * radius * radius * height;
    surfaceArea = 2 * PI * radius * radius + 2 * PI * radius * height;

    printf("Volume of the cylinder = %.2lf\n", volume);
    printf("Surface Area of the cylinder = %.2lf\n", surfaceArea);

    return 0;
}
```