

C

```
#include <stdio.h>
```

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

```
int main() {
```

```
    float radius, height, volume, surfaceArea;
```

```
    // Prompt user for radius and height
```

```
    printf("Enter the radius of the cylinder: ");
```

```
    scanf("%f", &radius);
```

```
    printf("Enter the height of the cylinder: ");
```

```
    scanf("%f", &height);
```

```
    // Calculate volume and surface area
```

```
    volume = M_PI * pow(radius, 2) * height;
```

```
    surfaceArea = 2 * M_PI * radius * height + 2 * M_PI * pow(radius, 2);
```

```
    // Print results
```

```
    printf("Volume of the cylinder: %.2f cubic units\n", volume);
```

```
    printf("Surface area of the cylinder: %.2f square units\n", surfaceArea);
```

```
    return 0;
```

```
}
```

Explanation:

Include necessary headers: `stdio.h` for input/output and `math.h` for mathematical functions.