

```
1 //
2 // Given a radius (10) of a circle,
3 // to compute its circumference and area.
4 //
5 // Created by hengxin on 10/10/21.
6 //
7
8 #include <stdio.h>
9
10 int main() {
11     const double PI = 3.14159;
12     int radius = 10;
13
14     double circumference = 2 * PI * radius;
15     double area = PI * radius * radius;
16
17     /**
18      * Basic output
19      * circumference = 62.831800, area = 314.159000
20      */
21     printf("circumference = %f, area = %f\n",
22           circumference, area);
23
24     /**
25      * Expected output
26      * circumference = 62.83, area = 314.16
27      */
28     printf("circumference = %.2f, area = %.2f\n",
29           circumference, area);
30
31     return 0;
32 }
```