

Question No-22:

//Program to calculate the area of the Sphere

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

```
int main()
```

```
{//Note : The value of pi is considered as constant
```

```
const float PI=3.14;
```

```
double area,radius;
```

```
radius=area=0;
```

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

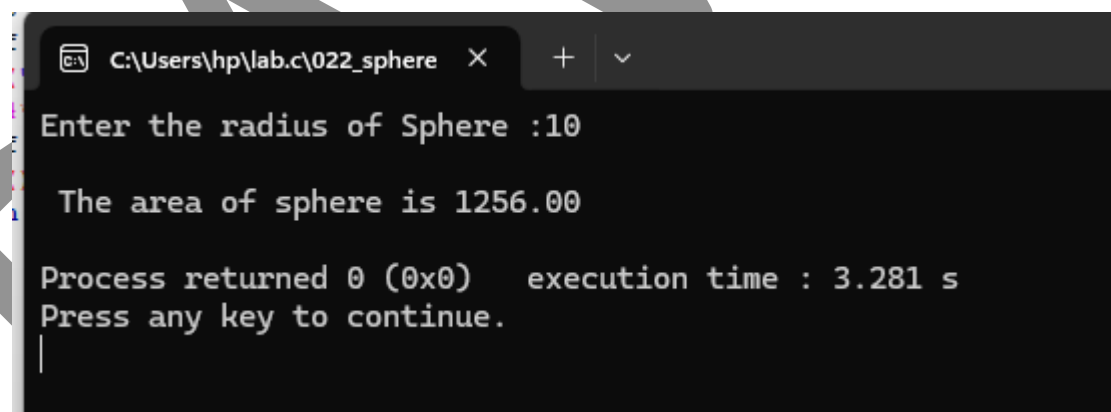
```
scanf("%lf",&radius);
```

```
area=4*PI*radius*radius;
```

```
printf("\n The area of sphere is %.2lf\n",area);
```

```
getch();
```

```
return 0;}
```



The screenshot shows a Windows command prompt window with the title bar "C:\Users\hp\lab.c\022_sphere". The program prompts the user to "Enter the radius of Sphere :10". It then outputs "The area of sphere is 1256.00". At the bottom, it displays "Process returned 0 (0x0) execution time : 3.281 s" and "Press any key to continue." with a cursor on a new line.