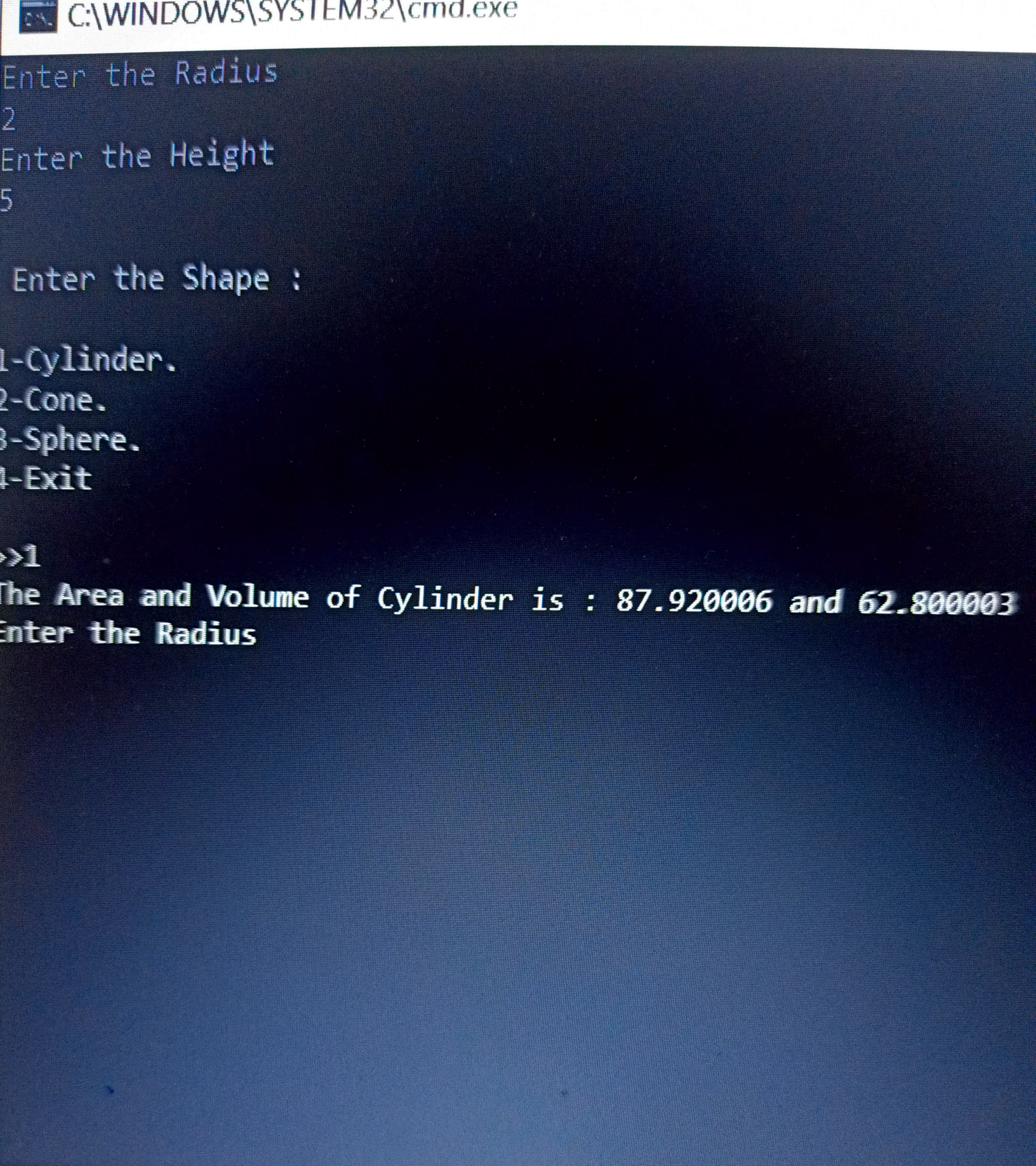
```c
#include<stdio.h>
#include<stdlib.h>
#include<math.h>
int main()
{
  int run=1;
  while(run==1)
{
  float r,h,Area,Volume;
  float pi=3.14;
  int choice;
  printf("Enter the Radius\n");
  scanf("%f",&r);
  printf("Enter the Height\n");
  scanf("%f",&h);
  printf("\n Enter the Shape : \n");
  printf("\n1-Cylinder. \n2-Cone. \n3-Sphere. \n4-Exit\n\n>>");
  scanf("%d",&choice);
  switch(choice){
  case 1:
  Area=2*pi*r*h+2*pi*r*r;
  Volume=pi*r*r*h;
  printf("The Area and Volume of Cylinder is : %f and %f\n",Area,Volume);
  break;
  case 2:
  Area=pi*r*(r+sqrt(h*h+r*r));
  Volume=(pi*r*r*h)/3;
  printf("The Area and Volume of Cone is : %f and %f\n",Area,Volume);
  break;
  case 3:
  Area=4*pi*r*r;
  Volume=(4/3)*pi*r*r*r;
  printf("The Area and Volume of Sphere is : %f and %ffz\n",Area,Volume);
  break;
  case 4:
  run=0;
  exit(1);
  default:
```

```
gcc -Wall -o "prime" "prime.c" (in directory: C:\Users\DELL\Desktop\New folder)
Compilation finished successfully.
```


C:\WINDOWS\SYSTEM32\cmd.exe
Enter the Radius
2
Enter the Height
5
Enter the Shape :
1-Cylinder.
2-Cone.
3-Sphere.
4-Exit
>>1
The Area and Volume of Cylinder is : 87.920006 and 62.800003
Enter the Radius

```
5

 Enter the Shape :

1-Cylinder.
2-Cone.
3-Sphere.
4-Exit

>>1
The Area and Volume of Cylinder is : 87.920006 and 6
Enter the Radius
2
Enter the Height
6

 Enter the Shape :

1-Cylinder.
2-Cone.
3-Sphere.
4-Exit

>>4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(program exited with code: 1)

Press any key to continue . . .
```