```
void cylinder()
  12 - {
  13
             float r,h,a,v;
                   f("enter the radius and height");
("%f%f",&r,&h);
             a=(2*3.14*r*h)+(2*3.14*r*r);
  16
  17
            v=2*3.14*r*r;
             printf("area=%f",a);
                    ("\nvolume=%f",v);
  20 }
       void cone()
  23 - {
             float r,h,a,v;
            printf("enter the radius and height");
scanf("%f%f",&r,&h);
a=3.14*r*(r+sqrt((h*h)+(r*r)));
            v=(3.14*r*r*h)/3;
                 ntf("area=%f",a);
ntf("\nvolume=%f",v);
  32
      void sphere()
  34 - {
            float r,a,v;
                                                                                      input
enter options:
1.cyclinder
2.cone
3.sphere 3
enter the radius 3
area=113.040001
volume=113.040001
enter 1 to continue
```

```
► Run O Debug
                                                   H Save
     Language
          void sphere()
               float r,a,v;
printf("enter the radius");
                     f("%f",&r);
               a=4*3.14*r*r;
v=(4*3.14*r*r*r)/3;
printf("area=%f",a);
printf("\nvolume=%f",v);
          }
int main()
               int n,a;
               a=1;
               while(a==1)
                   printf("enter options:\n 1.cyclinder \n 2.cone \n 3.sphere ");
scanf("%d",&n);
 <
                   switch(n)
                        case 1: cylinder();
                        break;
case 2: cone();
                        case 3: sphere();
                                                                                     input
    V 📝 🐴
   enter options:
    1.cyclinder
    2.cone
    3.sphere 2
   enter the radius and height2 4
GDB area=40.645012
   volume=16.746666
```