```
cube and cylinder.
     of each of the class and calculate their volume.
from abc import ABC, abstractmethod
import math
class shape(ABC):
   def volume(self):
class sphere(shape):
   def _init_(self,radius):
        self.radius=radius
    def volume(self):
       self.vol=(4/3) * math.pi(self.radius**3)
class cube(shape):
   def _init_(self, side):
        self.side=side
    def volume(self):
      self.vol=self.side**3
class cylinder(shape):
   def _init_(self,radius,height):
        self.radius=radius
        self.height=height
   def volume(self):
       self.vol=math.pi*(self.radius**2)*self.height
       return self.vol
```

```
volume.py X

1 from mypackage.Shapes import sphere,cube,cylinder
2
3 Sphere=sphere(5)
4 volsphere=Sphere.volume()
5 print("Volume of sphere:"+(str)(volsphere))
6 Cube=cube(10)
7 print("Volume of cube:"+(str)(Cube.volume()))
8 Cylinder=cylinder(5,6)
9 print("Volume of cylinder:"+(str)(Cylinder.volume()))
```