**package** Page162;

**interface** Shape {

**abstract** **double** area(**double** number);

}

**class** Circle **implements** Shape{

**public** **double** area(**double** number) {

**return** number\*3.1415926;

}

}

**class** Square **implements** Shape{

**public** **double** area(**double** number) {

**return** number\*number;

}

}

**package** Page162;

**public** **class** Test {

**public** **static** **void** main(String[] args) {

Circle c=**new** Circle();

Square s=**new** Square();

**double** radius=4;

**double** side\_length=6;

System.***out***.println("The area of a circle with radius "+radius+" is "+c.area(radius));

System.***out***.println("The area of a square with a side length of "+side\_length+" is "+s.area(side\_length));

}

}