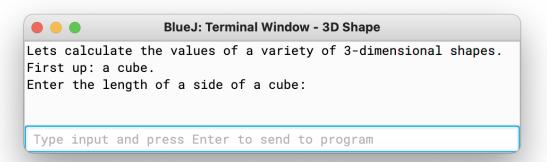
3D Shapes Test Exhibits

Program start-up:



```
BlueJ: Terminal Window - 3D Shape
Lets calculate the values of a variety of 3-dimensional shapes.
First up: a cube.
Enter the length of a side of a cube: -1
Please choose a value greater than or equal to zero:
Re-enter the length of a side of a cube: 0
Next up: a rectangle.
Enter the height: -1
Please choose a value greater than or equal to zero.
Re-enter the height: 0
Enter the width: -1
Please choose a value greater than or equal to zero.
Re-enter the width: 0
Enter the depth: -1
Please choose a value greater than or equal to zero.
Re-enter the depth: 0
Next up: a sphere.
Enter the radius: -1
Please choose a value greater than or equal to zero.
Re-enter the radius: 0
Lastly: a cylinder.
Enter the radius: -1
Please choose a value greater than or equal to zero.
Re-enter the radius: 0
Enter the height: -1
Please choose a value greater than or equal to zero.
Re-enter the height: 0
Some information about the given shapes is as follows:
Shape type: cube
Sides: 4
Side length: 0.0
Volume: 0.0
Surface Area: 0.0
Shape type: rectangle
Sides: 4
Height: 0.0
Width: 0.0
Depth: 0.0
Volume : 0.0
Suface area: 0.0
Shape type: sphere
Sides: 0
Radius: 0.0
Volume: 0.0
Surface area: 0.0
Shape type: cylinder
Sides: 2
Radius: 0.0
Height: 0.0
Volume: 0.0
Surface area: 0.0
 Type input and press Enter to send to program
```

```
BlueJ: Terminal Window - 3D Shape
Lets calculate the values of a variety of 3-dimensional shapes.
First up: a cube.
Enter the length of a side of a cube: 4
Next up: a rectangle.
Enter the height: 5
Enter the width: 3
Enter the depth: 3
Next up: a sphere.
Enter the radius: 6
Lastly: a cylinder.
Enter the radius: 8
Enter the height: 3
Some information about the given shapes is as follows:
Shape type: cube
Sides: 4
Side length: 4.0
Volume: 64.0
Surface Area: 96.0
Shape type: rectangle
Sides: 4
Height: 5.0
Width: 3.0
Depth: 3.0
Volume: 45.0
Suface area: 78.0
Shape type: sphere
Sides: 0
Radius: 6.0
Volume: 904.7786842338603
Surface area: 452.3893421169302
Shape type: cylinder
Sides: 2
Radius: 8.0
Height: 3.0
Volume: 603.1857894892403
Surface area: 552.9203070318035
Would you like to repeat the process (Y/N)?
 Type input and press Enter to send to program
```

```
BlueJ: Terminal Window - 3D Shape
Lets calculate the values of a variety of 3-dimensional shapes.
First up: a cube.
Enter the length of a side of a cube: 1.25
Next up: a rectangle.
Enter the height: 1.25
Enter the width: 2.25
Enter the depth: 3.25
Next up: a sphere.
Enter the radius: 7.75
Lastly: a cylinder.
Enter the radius: 5.99
Enter the height: 9.55
Some information about the given shapes is as follows:
Shape type: cube
Sides: 4
Side length: 1.25
Volume: 1.953125
Surface Area: 9.375
Shape type: rectangle
Sides: 4
Height: 1.25
Width: 2.25
Depth: 3.25
Volume: 9.140625
Suface area: 28.375
Shape type: sphere
Sides: 0
Radius: 7.75
Volume: 1949.816390481115
Surface area: 754.7676350249478
Shape type: cylinder
Sides: 2
Radius: 5.99
Height: 9.55
Volume: 1076.4822893441415
Surface area: 584.867791044689
Would you like to repeat the process (Y/N)?
Type input and press Enter to send to program
```