```
The Cluster Visualize Function
     def visualize(self, i):
2
3
         Shows a snapshot of the current state of the
            system at time t_i. Particles are scaled by
            size.
4
         fig = plt.figure()
5
6
         ax = fig.add_subplot(111, projection='3d')
7
         ax.set_xlim3d([-50, 50])
8
         ax.set_ylim3d([-50, 50])
         ax.set_zlim3d([-50, 50])
9
         ax.view_init(elev=11, azim=360*float(i)/self.
10
            n_steps)
         # scatter plots each body
11
         for body in self.cb_list:
12
             ax.scatter(body.r[i,0], body.r[i,1], body.r[i
                 ,2], s=body.radius, c=body.radius
                 **4/70**4, cmap='autumn')
         plt.axis('off')
14
         plt.savefig('tmp_%04d.png' % i)
15
16
         plt.close()
                         Listing 1: Cluster.py
```

```
Does it do C++?

void main(int argc, char* argv[]) {
   std::cout << "This is a test" << std::endl;
   return 0;
}

Listing 2: Testing.cpp</pre>
```

Run-time	Performance	Results
115	93%	6/10
45	76%	8/10
6s	82%	8/10
7s	78%	10/10

Table 1: A test-table