**First Design Code:**

$fn=50;

cube(10, center = true);

sphere(7, center = 1);

**Second Design Code:**

$fn=50;

cube(10, center = true);

sphere(7, center = 1);

//cylinder with cylindrical hole through it

difference(){ cylinder(d=10, h=20, center=true); //outside

rotate([90,0,0]) cylinder(d=8, h=20, center=true); //hole }