

```
1 package Functions;
2 public class C
3 {
4     public static void main()
5     {
6         for(int H=-4;H<=10;H++)
7         {
8             if(H>3)
9             {
10                gravity((int)H);
11            }
12            if(H<=3)
13            {
14                gravity((double)H);
15            }
16        }
17    }
18    public static void gravity(int H)
19    {
20        double G = 32.7*(Math.pow(4390/4390+H,2));
21        System.out.println(H+"\t"+G);
22    }
23    public static void gravity(double H)
24    {
25        double G = 32.7*(Math.pow(1/H+4390,2));
26        System.out.println(H+"\t"+G);
27    }
28 }
```