

```

1  import tester.*;
2
3  class Song {
4      String title ;
5      int lenInSeconds ;
6      Album onAlbum;
7
8      Song (String title, Integer lenInSeconds, Album on) {
9          this.title = title ;
10         this.lenInSeconds = lenInSeconds ;
11         this.onAlbum = on;
12     }
13
14     // detemines whether two songs are on the same album
15     boolean onSameAlbum(Song song1, Song song2) {
16         return (song1.onAlbum == song2.onAlbum);
17     }
18 }
19
20 class Album {
21     String artist;
22     String genre;
23
24     Album(String artist, String genre) {
25         this.artist = artist;
26         genre = genre;
27     }
28
29     // determines whether album's genre is "rock"
30     boolean hasRockMusic() {
31         return genre.equals("rock");
32     }
33 }
34
35 class Examples {
36     Examples() {}
37
38     marsalbum = new Album("Best of Mars", "rock");
39     song1 = new Song("Curiosity", 165, marsalbum);
40     song2 = new Song("Roving Around", 134, new Album("Best of Mars", "rock"));
41
42     boolean test1 (Tester t) {
43         return t.checkExpect(song1.onSameAlbum(song1, song2), true);
44     }
45
46     boolean test2 (Tester t) {
47         return t.checkExpect(album1.hasRockMusic(), true);
48     }
49 }
50
51
52 }

```