

```
1 import java.sql.Driver;
2 import java.util.List;
3
4 public class DriverProgram {
5     public static void printSongInfo(Song song) {
6         System.out.println();
7         System.out.printf("\nName: %s", song.getTitle());
8         System.out.printf("\nAlbum: %s", song.getAlbum());
9         System.out.printf("\nArtist: %s", song.getArtist());
10        System.out.printf("\nSongID: %d", song.getId());
11        System.out.printf("\nDuration (s): %d\n\n", song.getDuration());
12    }
13
14    public static void printSongListInfo(List<Song> listOfSongs) {
15        for (Song song : listOfSongs) {
16            printSongInfo(song);
17        }
18    }
19
20    public static void main(String[] args) {
21        Server server = Server.getInstance();
22        ProxyServer proxyServer = ProxyServer.getInstance();
23
24        server.addSong("Paint It Blue", "Charley Crockett", "Cowboy Jams", 1, 120);
25        server.addSong("Separate Ways", "Journey", "80s Hits", 2, 240);
26        server.addSong("Life is a Highway", "Pixar", "Cars Movie OST", 3, 120);
27        server.addSong("21", "Sam Hunt", "Sad Country", 4, 120);
28        server.addSong("Paint It Black", "The Animals", "Vietnam War Music", 5, 240);
29        server.addSong("Free Bird", "Lynyrd Skynyrd", "Patriotic Jams", 6, 600);
30
31        List<Song> returnedSongs = proxyServer.searchByTitle("Paint It Blue");
32        // Slow Retrieval
33        DriverProgram.printSongListInfo(returnedSongs);
34
35        returnedSongs = proxyServer.searchByTitle("Paint It Blue");
36        // Fast Retrieval (Cached)
37        DriverProgram.printSongListInfo(returnedSongs);
38
39        Song returnedSong = proxyServer.searchById(6);
40        // Fast Retrieval (Cached)
41        DriverProgram.printSongInfo(returnedSong);
42    }
43 }
44 }
```