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Uthmans Programming Concepts Code.

Program.java

import java.util.ArrayList;

import helpers.InputReader;

public class Program

{

    public static ArrayList<Song> songs;

    public static void main(String[] args)

    {

        System.out.println("Uthman's CW1");

        Song burna = new Song("On the Low", "Burna Boy", 3434359);

        burna.print();

        Song the = new Song("Sambh", "The Prophec", 39033958);

        the.print();

        Song dharia = new Song("Sugar & Brownies", "Dharia", 438424053);

        dharia.print();

        Song shekhar = new Song("Firecracker", "Shekhar Ravjiani", 353585418);

        shekhar.print();

        Song bon = new Song("Livin' On a Prayer", "Bon Jovi", 689846223);

        bon.print();

        Song mreazi = new Song("Oh My Gawd", "Mr Eazr & Major Lazer", 53516516);

        mreazi.print();

        songs = new ArrayList<Song>();

        Song ice = new Song("Gongo Aso","9ice",100000000);

        Song shaggy = new Song("Church Heathen", "Shaggy",5240000);

        Song tinie = new Song("Girls Like","Tinie Tempah",2000000000);

        Song awilo = new Song("Coupe Bibamba", "Awilo Logomba", 783938743);

        Song ogb = new Song("Lala Fatema", "OGB", 343934812);

        Song brandon = new Song("Twerk It Like Miley", "Brandon Beal", 516515163);

        Song leo = new Song("Do Ya Thang", "Leo Soul", 416515641);

        Song james = new Song("Get Up I Feel Like Being Like A Sex Machine", "James Brown", 39835038);

        Song gnarls = new Song("Crazy", "Gnals Barkly", 37202830);

        Song richie = new Song("Way Up", "Richie Loop", 873233829);

        songs.add(ice);

        songs.add(shaggy);

        songs.add(tinie);

        songs.add(awilo);

        songs.add(ogb);

        songs.add(brandon);

        songs.add(leo);

        songs.add(james);

        songs.add(gnarls);

        songs.add(richie);

        songs.add(james);

        songs.remove(ogb);

        for(Song song : songs)

    {

        song.print();

    }

    System.out.println(songs.contains(james));

    System.out.println(songs.contains(leo));

    int songnumber = 0 ;

    for(Song song : songs){

        System.out.println("No: " + songnumber + "\t");

        song.print();

        songnumber++;

    }

    String f2 = InputReader.getString("Do you want to add songs to the list? ");

    if (f2.equalsIgnoreCase("yes")){

        String songadd = InputReader.getString("Enter Song Name: ");

    Song newsong = new Song(songadd);

    songs.add(newsong);

    for (Song i:songs) {

        i.print();

    }

    }

    int f3 = InputReader.getInt("Do you want to remove songs from list? ");

    String f4 = InputReader.getString("confirm for removal " + f3 + "?");

    if (f4.equalsIgnoreCase("yes")){

        songs.remove(f3);

        for(Song i : songs)

        {

            System.out.print("Songnumber: 0");

            i.print();

            System.out.println();

        }

    }

    int playcount = 0;

    playcount = InputReader.getInt("Enter Number: ");

    findByplaycount(playcount);

    }

    public static Song findByplaycount(int playcount)

    {

        for(Song song : songs)

        {

            if(song.getplaycount() > playcount)

                 song.print();

        }

        return null;

    }

}

Songs.java

public class Song

{

    private String songtitle;

    private String artistname;

    private int playcount;

    private Song[] songs;

    public Song findByplaycount(int playcount)

    {

        for(Song song : songs)

        {

            if(song.getplaycount() > playcount)

                 song.print();

        }

        return null;

    }

    public int getplaycount() {

        return this.playcount;

    }

    public Song(String songtitle, String artistname, int playcount)

    {

        this.songtitle = songtitle;

        this.artistname = artistname;

        this.playcount = playcount;

    }

    public void print(){

        System.out.print("SongTitle: " + this.songtitle + "\t");

        System.out.print("ArtistName: " + this.artistname + "\t");

        System.out.println("PlayCount: " + this.playcount + "\t");

    }

}

The Terminal page

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