Data point number	File base name	Line number	To be replaced	Replace with	Original line text [sans semantically irrelevant white space]	Compile-time	Run-time	Undetected	Error message / details	reported line number	Problem identified	Line distance from in-jected fault
						Modification			Fault detection	Error reported		
1	Library	54	random	albums	Random random = new Random();	x			cannot find symbol symbol : variable random location: class Library int i = random.nextInt(); ^	67	yes	13
2	Library	78	random	rating	randomTrackList.get(random.nextInt(tempTrackList.size()));	x			int cannot be dereferenced randomTrackList.get(rating.nextInt(tempTrackList.size())); ^	78	yes	0
3	Artist	10	name	n	private String name;	x			cannot find symbol symbol : variable name location: class Artist Name = ""; ^	19	yes	9
4	Track	32	title	s	Title =t;	x			incompatible types found : java.lang.String required: double s =t; ^	32	yes	0
5	Album	37	albumName	a	albumName = n;	x			cannot find symbol symbol : variable a location: class Album a = n; ^	37	yes	0
6	Main	130	buffr	str	str = buffr.readLine();	x			cannot find symbol symbol : method readLine() location: class java.lang.String str = str.readLine(); ^	130	yes	0
7	Track	78	length	artist	length = l;	x			incompatible types found : double required: Artist artist = l; ^	78	yes	0
8	Track	33	a	artist	artist = a;			x	n/a	n/a	n/a	n/a
9	Track	56	a	date	public void setArtist(Artist a)	x			cannot find symbol symbol : variable a location: class Track artist = a; ^	58	yes	2
10	Track	46	t	location	public void setTitle(String t)	x			cannot find symbol symbol : variable t location: class Track title = t; ^	48	yes	2
11	Album	28	albumName	artist	albumName = aName;	x			Incompatible types – found java.lang.String but expected Artist	28	yes	0
12	Track	87	size	title	size=z	x			Incompatible types – found double but expected java.lang.String	87	yes	0
13	Track	100	rating	size	return rating;	x			Possible loss of precision found : double required: int	100	yes	0
14	Artist	20	members	name	members = new ArrayList<Artist>()	x			Incompatible types – found java.util.ArrayList<Artist> but expected java.lang.String	20	yes	0
15	Album	29	albumType	albumName	albumType=aType;			x	n/a	n/a	n/a	n/a
16	Artist	55	isSoloist	members	return isSoloist;	x			Incompatible types – found java.util.ArrayList<Artist>but expected boolean	55	yes	0
17	Track	48	title	rating	title = t;	x			Incompatible types – found java.lang.String but expected int	48	yes	0
18	Track	33	artist	location	artist = a	x			Incompatible types – found artist but expected java.lang.String	33	yes	0
19	Track	105	location	date	location = l;			x	n/a	n/a	n/a	n/a
20	Album	30	artist	tracks	artist = a;	x			Incompatible types – found artist but expected java.util.ArrayList<Track>	30	yes	0
21	Album	46	albumType	albumName	albumType = t;			x	n/a	n/a	n/a	n/a
22	Artist	50	isSoloist	members	isSoloist = s;	x			incompatible types - found boolean but expected java.util.ArrayList<Artist>	50	yes	0
23	Album	75	length	albumType	double length = 0.0;	x			cannot find symbol - variable length	77	yes	2
24	Album	77	length	albumType	length = length + t.getLength();	x			incompatible types - found double but expected java.lang.String	77	yes	0
25	Track	48	title	guestArtist	title = t;	x			incompatible types - found java.lang.String but expected Artist	48	yes	0
26	Artist	20	members	name	members = new ArrayList<Artist>();	x			incompatible types - found java.util.ArrayList<Artist> but expected java.lang.String	20	yes	0
27	Track	82	length	date	return length;	x			incompatible types - found java.lang.String but expected doublt	82	yes	0
28	Track	33	artist	location	artist = a;	x			incompatible types - found Artist but expected java.lang.String	33	yes	0
29	Album	105	rating	albumName	return rating/tracks.size();	x			operator / cannot be applied to java.lang.String,int	105	yes	0
30	Album	9	albumName	tracks	private String tracks;	x			tracks is already defined in Album	12	yes	3

					totals	26	0	4		yes	26	1.2
							total	30		no	0	average
										n/a	4	
										total	30	