**Removing a Line**

1. Artist

2. Main

3. Track

4. Album

5. Library

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Class** | **Line Removed** | **What was removed** | **Is Problem identified?** | **Where problem identified** | **Error message** | **Is error correct?** | **How far from actual error** |
| Main | 194 | \*/ | yes | 190 | Unclosed comment | yes | 4 |
| Main | 201 | return library; | yes | 202 | Missing return statement | yes | 1 |
| Artist | 56 | } | yes | 58 | Illegal start of expression | no | 2 |
| Album | 14 | /\*\* | yes | 15 | Illegal start of type | no | 1 |
| Track | 66 | public void setDate(String d) | yes | 68 | Cannot find symbol – variable d | yes | 2 |
| Artist | 64 | for (Artist m:members) | yes | 65 | Cannot find symbol – variable m | yes | 1 |
| Track | 81 | { | yes | 80 | ‘;’ expected | no | 1 |
| Main | 16 | public static void main(String []args) throws IOException | yes | 28 | Unreported exception java.io.IOException; must be caught or declard to be thrown | yes | 12 |
| Library | 6 | import java.util.ArrayList; | yes | 11 | Cannot find symbol – class ArrayList | yes | 5 |
| Main | 86 | Artist artist = new Artist(); | yes | 92 | Cannot find symbol – variable artist | yes | 6 |

**Changing a character**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Class** | **Line Selected** | **Line** | **Character Removed** | **Replaced with** | **Is Problem identified?** | **Where problem identified** | **Error message** | **Is error correct?** | **How far from actual error** |
| Main | 100 | System.out.println("Enter Band Name"); | 23 - t | M | no | - | - | - | - |
| Main | 177 | str = buffr.readLine(); | 12 - . | P | yes | 177 | Cannot find symbol – method buffrPreadLine() | yes | 0 |
| Track | 46 | public void setUitle(String t) | 17 - T | U | yes | Main - 60 | Cannot find symbol – method setTitle(java.lang.String); maybe you meant: getTitle() or setUiule(String) | yes | In different class |
| Main | 105 | { | 1 – { | C | Yes | 105 | Not a statement | yes | 0 |
| Album | 3 | \* size and the guest Artist - if applicable- | 28 – (space) | = | no | - | - | - | - |
| Library | 49 | \* @param rating the minimum rating | 9 - m | O | No | - | - | - | - |
| Artist | 11 | private ArrayList<Artist> members; | 23 - s | 5 | yes | 11 | Cannot find symbol – class Arti5t | Yes | 0 |
| Artist | 10 | private String name; | 15 – (space) | s | yes | 10 | <identifier> expected | yes | 0 |
| Main | 129 | System.out.println("Enter Track Title"); | 27 - T | Z | no | - | - | - | - |
| Artist | 18 | { | 1 – { | k | yes | 17 | ‘;’ expected | no | 1 |

**Changing a variable**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Class** | **Variable Selected** | **Variable replaced with** | **Line** | **Is Problem identified?** | **Where problem identified** | **Error message** | **Is error correct?** | **How far from actual error** |
| Album | albumName | artist | 28 - albumName = aName; | yes | 28 | Incompatible types – found java.lang.String but expected Artist | yes | 0 |
| Track | size | title | 87 - size=z | yes | 87 | Incompatible types – found double but expected java.lang.String | yes | 0 |
| Track | rating | size | 100 - return rating; | yes | 100 | Possible loss of precision found : double required: int | yes | 0 |
| Artist | members | name | 20 - members = new ArrayList<Artist>() | Yes | 20 | Incompatible types – found java.util.ArrayList<Artist> but expected java.lang.String | yes | 0 |
| Album | albumType | albumName | 29 - albumType=aType; | no | - | - | - | - |
| Artist | isSoloist | members | 55 - return isSoloist; | Yes | 55 | Incompatible types – found java.util.ArrayList<Artist>but expected boolean | yes | 0 |
| Track | title | rating | 48 - title = t; | Yes | 48 | Incompatible types – found java.lang.String but expected int | Yes | 0 |
| Track | artist | location | 33 – artist = a | Yes | 33 | Incompatible types – found artist but expected java.lang.String | yes | 0 |
| Track | location | date | 105 - location = l; | no | - | - | - | - |
| Album | artist | tracks | 30 - artist = a; | yes | 30 | Incompatible types – found artist but expected java.util.ArrayList  <Track> |  |  |