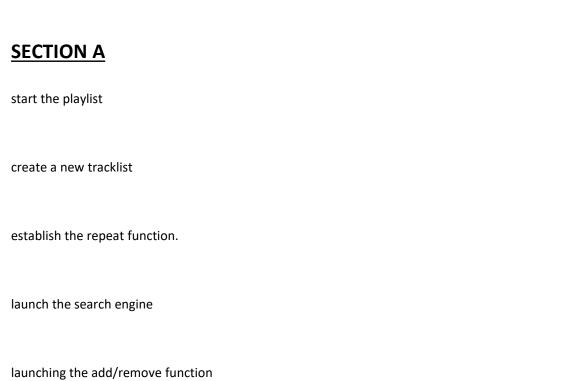
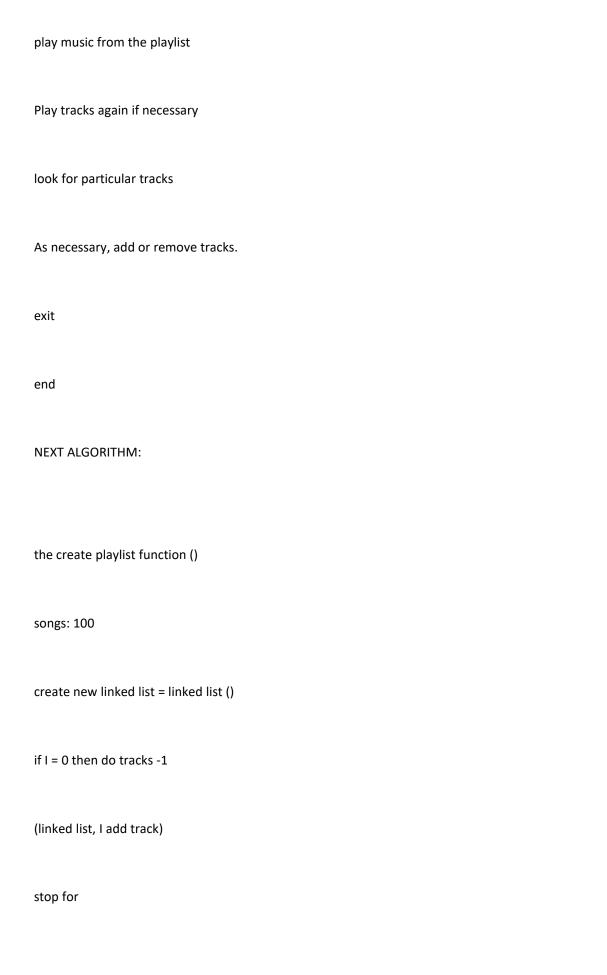
DSA GROUP ASSIGNMENT

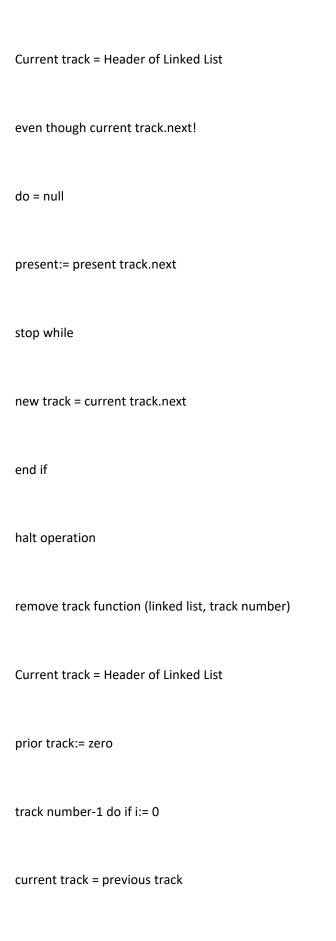
STUDENT NAME	STUDENT NUMBER	GROUP NUMBER
Likius Ingo	221046364	Group1
Erastus PaangwaShimwe	222044438	Group9
Shindinge		
Hilya shatika	222089032	Group6
Christa William	221144919	Group9
Katrina Endjala	222037024	Group2
Albert Sinyepe	222104074	Group9
Nambinga Heelu Petrus	222106123	Group9
Maani Mutelo	222106786	Group9
Casey Damens	222127457	Group9
Nathan Sachika	2221206123	Group3

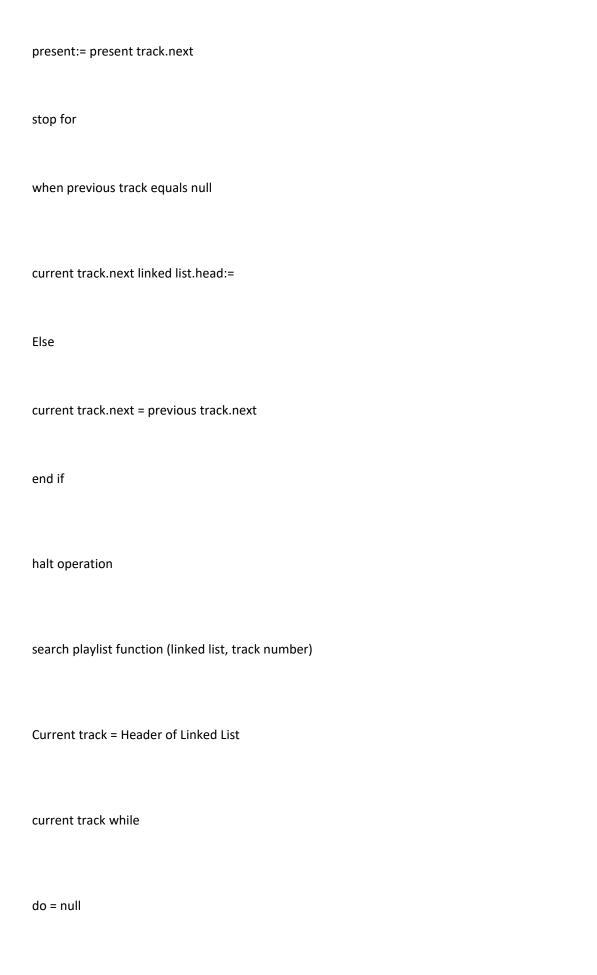


play the music









If track number = current track.data, then
deliver true

end if

present:= present track.next

stop while

return untrue

halt operation

Definition of step 2

The music player, playlist, tracklist, repeat feature, search feature, and add/remove feature are all initialized by the code above. Then, songs from the playlist are played on the music player. Searches for specific tracks can be done, and the tracks are repeated as necessary. The final option is to add or remove tracks as needed.

SECTION B

```
public class musicplayer {
   public static void main(String[] args) {
   }
   public final class DoubleClass<Music> {
      private Music data;
   }
}
```

```
private DoubleClass<Music> next;
    private DoubleClass<Music> prev;
    public DoubleClass(final DoubleClass<Music> prev, final Music data, final
DoubleClass<Music> next) {
      this.data = data;
      this.next = next;
      this.prev = prev;
    }
    public DoubleClass(final Music data) {
      this(null, data, null);
    public Music getData() {
      return data;
    public DoubleClass<Music> getNext() {
      return next;
    }
    public void setTheNextTrack(final DoubleClass<Music> next) {
      this.next = next;
    public void setThePreviousTrack(final DoubleClass<Music> prev) {
      this.prev = prev;
    }
    public DoubleClass<Music> getPrev() {
      return prev;
    public void addTracks(final Music data) {
      this.data = data;
    }
  }
}
```