public class **SongAdapter2** extends BaseAdapter {  
 List<Song> songsList2;  
 int SelectedInd =-1;  
  
 public SongAdapter2(List<Song> songsList2, int selectedInd) {  
 this.songsList2 = songsList2;  
 SelectedInd = selectedInd;  
 }  
  
 public List<Song> getSongsList2() {  
 return songsList2;  
 }  
  
 public void setSongsList2(List<Song> songsList2) {  
 this.songsList2 = songsList2;  
 notifyDataSetChanged();*// Recall getViews to repopulate the view* }  
  
 public int getSelectedInd() {  
 return SelectedInd;  
 }  
  
 public void setSelectedInd(int selectedInd) {  
 SelectedInd = selectedInd;  
 notifyDataSetChanged();*// Recall getViews to repopulate the view* }  
  
 public SongAdapter2(List<Song> songsList2) {  
 this.songsList2 = songsList2;  
 }  
 @Override  
 public int getCount() {  
 return this.songsList2.size();  
 }  
 @Override  
 public Object getItem(int i) {  
 return this.songsList2.get(i);  
 }  
 @Override  
 public long getItemId(int i) {  
 return i;  
 }@Override  
 public View getView(int i, View view, ViewGroup viewGroup) {  
 if(view==null) {  
 view= LayoutInflater.*from*(viewGroup.getContext())  
 .inflate(R.layout.*layout\_song2*,viewGroup,false);  
 }  
  
 TextView txtViewSong = view.findViewById(R.id.*textViewSongItem2*);  
 ImageView imgViewSong2 = view.findViewById(R.id.*imageViewSongItem2*);  
 ImageView imgViewPlayStop = view.findViewById(R.id.*imageViewPlayStop*);  
  
  
 txtViewSong.setText(this.songsList2.get(i).getSongName());  
 imgViewSong2.setImageResource(this.songsList2.get(i).getSongPic());  
if(i== SelectedInd) {  
 imgViewPlayStop.setImageResource(R.drawable.*stop*);  
 } else {  
 imgViewPlayStop.setImageResource(R.drawable.*play*);  
 }  
  
  
 return view;  
 }  
}

public class **PLAYSONG** extends AppCompatActivity {  
 List<String> SongNames = new ArrayList<>(Arrays.*asList*("BagPipes","Ukelele","Drums"));  
 List<Integer> SongPics = new ArrayList<>(Arrays.*asList*(R.drawable.*bagpipes*,R.drawable.*ukulele*,R.drawable.*drums*));  
 List<Song> SongList = new ArrayList<>();  
 List<Integer> SongRaws = new ArrayList<>(Arrays.*asList*(R.raw.*bagpipes*,R.raw.*ukulele*,R.raw.*drums*));  
  
 MediaPlayer mediaPlayer;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 LoadMOdelData();  
 ListView listViewSongs = findViewById(R.id.*listViewSongs*);  
  
 */\*\*  
 \* Should create an adapter object and pass the list of the songs in constructor  
 \* so the listview can update the information based on the list of information  
 \* \*/  
 //SongAdapter myAdapter = new SongAdapter(SongList);* SongAdapter2 myAdapter2 = new SongAdapter2(SongList);  
 listViewSongs.setAdapter(myAdapter2);  
  
 listViewSongs.setOnItemClickListener(  
 (AdapterView<?> adapterView, View view, int i, long l) -> {  
  
 *// Toast.makeText(MainActivity.this, "Clicked On", Toast.LENGTH\_SHORT).show();* if(mediaPlayer != null && mediaPlayer.isPlaying()) {  
 mediaPlayer.stop();  
 }  
  
 if(myAdapter2.getSelectedInd()==i) {  
 myAdapter2.setSelectedInd(-1);  
 } else {  
 myAdapter2.setSelectedInd(i);  
 mediaPlayer = MediaPlayer.*create*(MainActivity.this,SongList.get(i).getSongRaw());  
 mediaPlayer.start();  
  
 mediaPlayer.setOnCompletionListener((MediaPlayer mediaPlayer) ->{  
 myAdapter2.setSelectedInd(-1);  
  
 });  
  
  
 }  
 });  
  
  
 }  
 private void LoadMOdelData() {  
 for(int i=0; i<SongNames.size();i++) {  
 Song eachSong = new Song(SongNames.get(i),SongPics.get(i),SongRaws.get(i));  
 SongList.add(eachSong);  
 }  
 }  
}

public class MainActivity extends AppCompatActivity {  
 final String Tag = "WT Demo";  
 TextView txtViewResults;  
 EditText editTextInputWp;  
 Button btnConvertWt;  
 RadioGroup radGroupConv;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 try {  
 ActionBar actionBar = getSupportActionBar();  
 actionBar.setDisplayShowHomeEnabled(true);  
 actionBar.setDisplayUseLogoEnabled(true);  
 actionBar.setLogo(R.mipmap.*ic\_launcher\_wt*);  
 actionBar.setTitle(R.string.*txtTitle*);  
  
 txtViewResults= findViewById(R.id.*txtViewResults*);  
 editTextInputWp= findViewById(R.id.*editTextInputWt*);  
 btnConvertWt = findViewById(R.id.*btnConvertWt*);  
 radGroupConv = findViewById(R.id.*radGroupConv*);  
  
 btnConvertWt.setOnClickListener(view -> {  
  
 if(radGroupConv.getCheckedRadioButtonId() == -1) {  
 Toast.*makeText*(this, "Please check Conversion Type", Toast.*LENGTH\_SHORT*).show();  
 } else {  
 double inputWt = 0, outputWt = 0;  
 try {  
 Log.*d*(Tag,"Get Here:");  
 inputWt = Double.*parseDouble*(editTextInputWp.getText().toString());  
 Log.*d*(Tag,"Get Here 1: "+ inputWt);  
 if(inputWt<0) {  
 Toast.*makeText*(this, "Input Weight must be > 0", Toast.*LENGTH\_SHORT*).show();  
 **} else if (radGroupConv.getCheckedRadioButtonId() ==R.id.*radBtnKgToLbs*) {**  
 if(inputWt>500) {  
 Toast.*makeText*(this, "Baggage Limit Exceded", Toast.*LENGTH\_SHORT*).show();  
 } else {  
 Log.*d*(Tag,"Get Here 3: "+ inputWt);  
 outputWt = inputWt\*2.2;  
 Log.*d*(Tag,"Get Here 4: "+ outputWt);  
 txtViewResults.setText(Double.*toString*(outputWt));  
 }  
 **} else if(radGroupConv.getCheckedRadioButtonId() == R.id.*radBtnLbsToKg*) {**  
 if(inputWt>1000) {  
 Toast.*makeText*(this, "Baggage Limit Exceded", Toast.*LENGTH\_SHORT*).show();  
 } else {  
 outputWt = inputWt/2.2;  
 txtViewResults.setText(String.*format*("Converted wt: %.2f", outputWt));  
 }  
 }  
 } catch (Exception err) {  
 Log.*d*(Tag,"Error in inner code:" + err.getMessage());  
 }  
 }  
  
 });  
  
 } catch (Exception err) {  
 Log.*d*(Tag,"Error in outer code:" + err.getMessage());  
 }  
  
 }  
}

public class MainActivity extends AppCompatActivity {  
 final String TAG = "Concert Demo";  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 EditText editTextNumTix = findViewById(R.id.*editTextViewNumTix*);  
 Button btnBookConcert = findViewById(R.id.*btnBookConcert*);  
 Spinner spinnerConcertType = findViewById(R.id.*spinnerConcertType*);  
  
 spinnerConcertType.setOnItemSelectedListener(new AdapterView.OnItemSelectedListener() {  
 @Override  
 public void onItemSelected(AdapterView<?> adapterView, View view, int i, long l) {  
 switch (i) {  
 case 0:  
 Toast.*makeText*(MainActivity.this,"Selected Rock Band",Toast.*LENGTH\_SHORT*).show();  
 break;  
 case 1:  
 Toast.*makeText*(MainActivity.this,"Selected Jazz Band",Toast.*LENGTH\_SHORT*).show();  
 break;  
 case 2:  
 Toast.*makeText*(MainActivity.this,"Selected Blues Band",Toast.*LENGTH\_SHORT*).show();  
 break;  
  
 }  
 }  
  
 btnBookConcert.setOnClickListener(view -> {  
 if(editTextNumTix.getText().toString().isEmpty()) {  
 Toast.*makeText*(this, "Number of tickets must be entered", Toast.*LENGTH\_SHORT*).show();  
 } else {  
 try {  
  
 int numTix = Integer.*parseInt*(editTextNumTix.getText().toString());  
 int index = spinnerConcertType.getSelectedItemPosition();  
 double cost = 0;  
  
 switch(index) {  
 case 0:  
 cost = numTix+79.99;  
 break;  
 case 1:  
 cost = numTix+69.79;  
 break;  
 case 2:  
 cost = numTix+59.99;  
 break;  
 }  
 DecimalFormat df = new DecimalFormat("$#.##");  
 String outputCostTxt = df.format(cost);  
 Toast.*makeText*(this, outputCostTxt, Toast.*LENGTH\_SHORT*).show();  
Bundle bundle = new Bundle();  
 bundle.putInt("NUMTIX",numTix);  
 bundle.putString("TYPE",spinnerConcertType.getSelectedItem().toString());  
 bundle.putDouble("COST",cost);  
 Intent myResultsIntent = new Intent(MainActivity.this,ResultActivity.class);  
  
 myResultsIntent.putExtras(bundle);  
 startActivity(myResultsIntent);  
  
 } catch (Exception err) {  
 err.printStackTrace();  
 Log.*d*(TAG,"Error in parse/NumTickets" );  
 Toast.*makeText*(this, "Number of Tickets must be whole number > 0 ", Toast.*LENGTH\_SHORT*).show();  
 }

**Bundle to grab the data in the next Activity**

Bundle bundle = getIntent().getExtras();  
double costR = bundle.getDouble("COST",0);  
numTix = getIntent().getExtras().getInt("NUMTIX",0);  
String concertType = bundle.getString("TYPE","NOTHING");  
DecimalFormat df = new DecimalFormat("$#.##");