RecyclerView rcMain;  
List<Car> carList;  
Car car;  
  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 rcMain = findViewById(R.id.*rc\_main*);  
 ConstraintLayout layout = findViewById(R.id.*main\_root*);  
  
 generateData();  
 CarAdapter adapter = new CarAdapter(carList);  
 rcMain.setLayoutManager(new LinearLayoutManager(this));  
 adapter.setOnItemLongClickListener(new CarAdapter.OnItemLongClickListener() {  
 @Override  
 public void onItemLongClick(int position) {  
 AlertDialog dialog = new AlertDialog.Builder(MainActivity.this)  
 .setTitle("Deletion")  
 .setMessage("Do you want to delete?")  
 .setNegativeButton("No", new DialogInterface.OnClickListener() {  
 @Override  
 public void onClick(DialogInterface dialog, int which) {  
 dialog.dismiss();  
 }  
 })  
 .setPositiveButton("Yes", new DialogInterface.OnClickListener() {  
 @Override  
 public void onClick(DialogInterface dialog, int which) {  
 car = carList.get(position);  
 carList.remove(position);  
 adapter.notifyItemRemoved(position);  
  
 Snackbar.*make*(layout, "Item deleted successfully", Snackbar.*LENGTH\_LONG*)  
 .setAction("Undo", new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 carList.add(position, car);  
 adapter.notifyItemInserted(position);  
 car = null;  
 }  
 })  
 .show();  
 }  
 })  
 .create();  
 dialog.show();  
 }  
 });  
 rcMain.setAdapter(adapter);  
  
}  
  
private void generateData() {  
 carList = new ArrayList<>();  
 carList.add(new Car(R.drawable.*ford*, "Ford"));  
 carList.add(new Car(R.drawable.*mustang*, "Mustang"));  
 carList.add(new Car(R.drawable.*mercedes*, "Mercedes"));  
 carList.add(new Car(R.drawable.*ford*, "Civic"));  
 carList.add(new Car(R.drawable.*mustang*, "Mehran"));  
 carList.add(new Car(R.drawable.*mercedes*, "Fortuner"));  
 carList.add(new Car(R.drawable.*ford*, "Elantra"));  
 carList.add(new Car(R.drawable.*mercedes*, "Corolla"));  
 carList.add(new Car(R.drawable.*mustang*, "Porsche"));  
 carList.add(new Car(R.drawable.*mercedes*, "Buggati"));  
}