第一部分作业：

1. 生成CAT类
2. ICatService生成网址部分请求
3. Solution2C1Activity：发送请求。并接受请求
4. cat类：

package com.bytedance.android.lesson.restapi.solution.bean;  
  
import java.util.Collection;  
import java.util.List;  
*/\*\*  
 \** ***@author*** *Xavier.S  
 \** ***@date*** *2019.01.17 18:08  
 \*/*import com.google.gson.annotations.SerializedName;  
  
import java.util.List;  
  
public class Cat {  
  
 // *TODO-C1 (1) Implement your Cat Bean here according to the response json* private List<String> breeds;  
 private String id;  
 private String url;  
 private List<Categories> categories;  
  
 public void setBreeds(List<String> breeds) {  
 this.breeds = breeds;  
 }  
  
 public List<String> getBreeds() {  
 return breeds;  
 }  
  
 public void setId(String id) {  
 this.id = id;  
 }  
  
 public String getId() {  
 return id;  
 }  
  
 public void setUrl(String url) {  
 this.url = url;  
 }  
  
 public String getUrl() {  
 return url;  
 }  
  
  
 public void setCategories(List<Categories> categories) {  
 this.categories = categories;  
 }  
  
 public List<Categories> getCategories() {  
 return categories;  
 }  
  
  
 public class Categories {  
  
 private int id;  
 private String name;  
  
 public void setId(int id) {  
 this.id = id;  
 }  
  
 public int getId() {  
 return id;  
 }  
  
 public void setName(String name) {  
 this.name = name;  
 }  
  
 public String getName() {  
 return name;  
 }  
  
 }  
  
  
}

备注：先是大类categrate，然后是小的链表的类别，cat

1. IcatService类：

public interface ICatService {  
 // *TODO-C1 (2) Implement your Cat Request here, url: https://api.thecatapi.com/v1/images/search?limit=5* @GET("/v1/images/search") Call<List<Cat>> randomCat(@Query("limit")int cnt);  
}

1. Solution2C1Activity类中加入请求方法：

public static void getResponseWithRetrofitAsync(retrofit2.Callback<List<Cat>> callback)

{  
 Retrofit retrofit = new Retrofit.Builder()  
 .baseUrl("https://api.thecatapi.com/")  
 .addConverterFactory(GsonConverterFactory.*create*())  
 .build();  
  
 retrofit.create(ICatService.class).randomCat(5).  
 enqueue(callback);  
}

1. 请求响应

*getResponseWithRetrofitAsync*(new Callback<List<Cat>>() {  
 @Override  
 public void onResponse(Call<List<Cat>> call, Response<List<Cat>> response) {  
 loadPics(response.body());  
 restoreBtn();  
 }  
  
 @Override  
 public void onFailure(Call<List<Cat>> call, Throwable t) {  
 restoreBtn();  
 }  
  
  
});