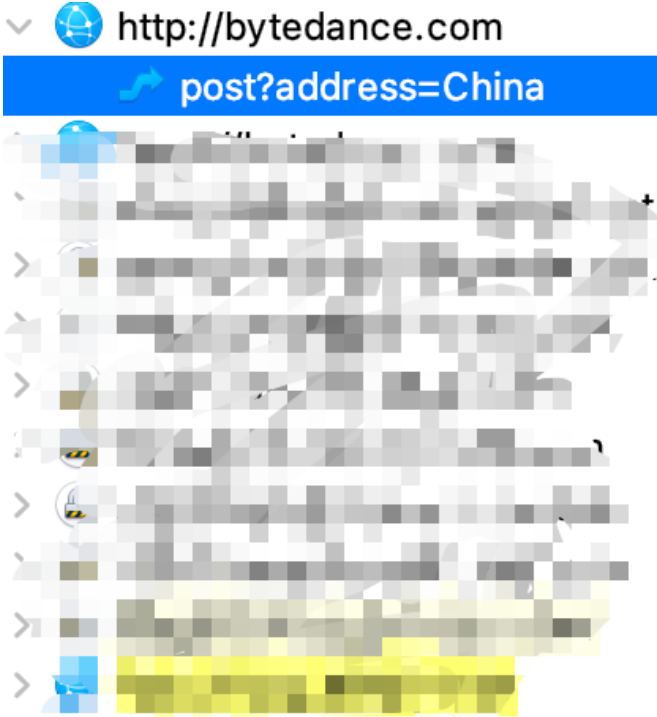


retrofit 如何给 API 添加 query 参数?

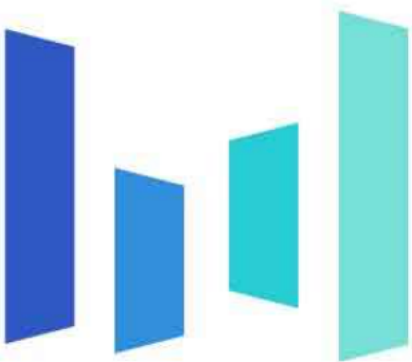
@Query("query\_param")

```
public interface TestService {  
  
    @POST("/post")  
    Call<ResponseBody> post(@Query("address") String address);  
  
}
```

```
final Retrofit retrofit = new Retrofit.Builder()  
    .baseUrl("http://bytedance.com")  
    .addConverterFactory(GsonConverterFactory.create())  
    .build();  
final TestService testService = retrofit.create(TestService.class);  
testService.post("China").enqueue(new Callback<ResponseBody>() {  
    @Override public void onResponse(final Call<ResponseBody> call, final Response<ResponseBody> response) {  
  
    }  
  
    @Override public void onFailure(final Call<ResponseBody> call, final Throwable t) {  
  
    }  
  
});
```



Name	Value
URL	http://bytedance.com/post?address=China
Status	Complete
Response Code	301 Moved Permanently
Protocol	HTTP/1.1
▼ TLS	-
> Protocol	-
> Session Resumed	-
> Cipher Suite	-
> ALPN	-
Client Certificates	-
Server Certificates	-
> Extensions	
Method	POST
Kept Alive	No
Content-Type	text/html
Client Address	192.168.0.102:39932
Remote Address	bytedance.com/122.14.230.231:80
Tags	-
> Connection	
> WebSockets	-
▼ Timing	



```
public interface TestService {  
  
    @Multipart  
    @POST("/post")  
    Call<ResponseBody> post(@Part MultipartBody.Part image);  
  
}
```

```
final Retrofit retrofit = new Retrofit.Builder()  
    .baseUrl("http://bytedance.com")  
    .addConverterFactory(GsonConverterFactory.create())  
    .build();  
final TestService testService = retrofit.create(TestService.class);  
  
testService.post(getMultipartFromAsset()).enqueue(new Callback<ResponseBody>() {  
    @Override public void onResponse(final Call<ResponseBody> call, final Response<ResponseBody> response) {  
  
    }  
  
    @Override public void onFailure(final Call<ResponseBody> call, final Throwable t) {  
  
    }  
  
});
```

```
private MultipartBody.Part getMultipartFromAsset() {  
    final String partKey = "image";  
    final String localFileName = "local_file.png";  
    RequestBody requestFile = RequestBody  
        .create(MediaType.parse("multipart/form-data"), fileNameToByte(localFileName));  
    return MultipartBody.Part.createFormData(partKey, localFileName, requestFile);  
}
```

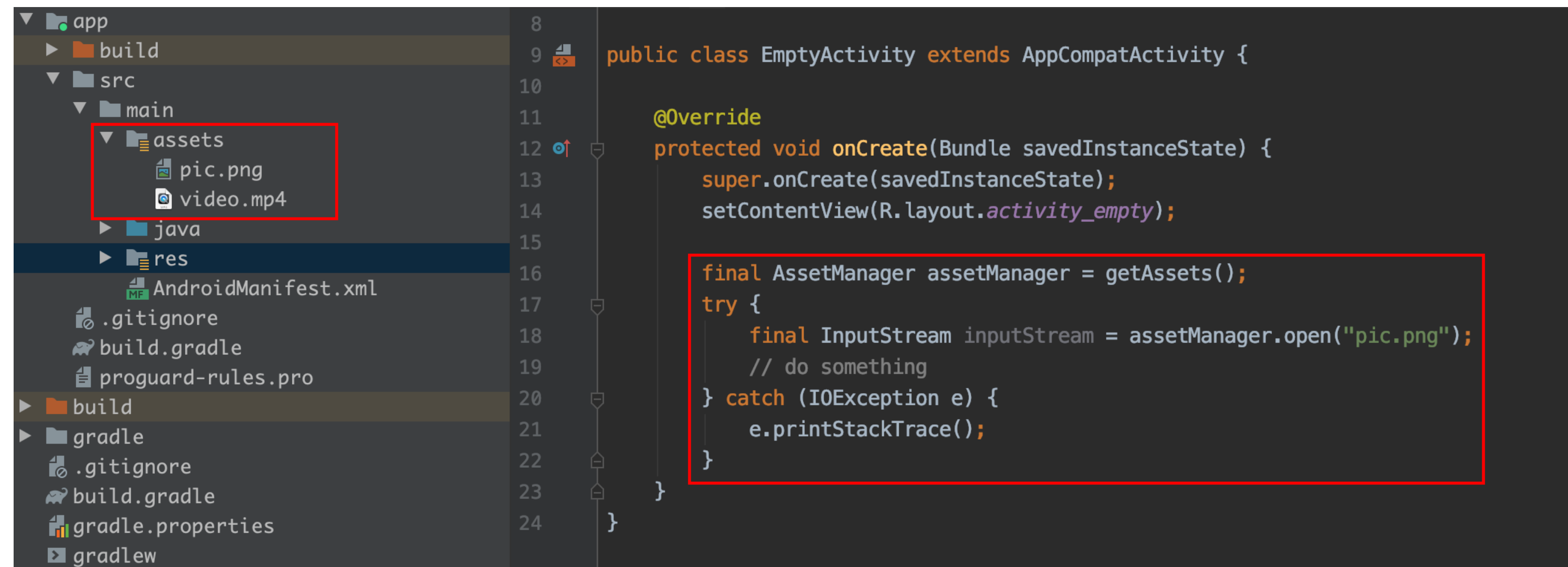
301 POST bytedance.com /post

Filter: post

Overview	Contents	Summary	Chart	Notes
Part	Content-Type	File name	Value	
image	multipart/form-data	local_file.png	50.63 KB (51,843 bytes)	

Headers	Text	Hex	Multipart	Raw
1	<html>			
2	<head><title>301 Moved Permanently</title></head>			
3	<body bgcolor="white">			
4	<center><h1>301 Moved Permanently</h1></center>			
5	<hr><center>nginx</center>			
6	</body>			
7	</html>			
8				

## app 里面的文件怎么转成 byte[]?



```
private static byte[] toByteArray(InputStream input) throws IOException {  
    ByteArrayOutputStream output = new ByteArrayOutputStream();  
    byte[] buffer = new byte[4096];  
    int n = 0;  
    while (-1 != (n = input.read(buffer))) {  
        output.write(buffer, 0, n);  
    }  
    return output.toByteArray();  
}
```