Create AsyncTask to send HTTP Request

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How to create an AsyncTask to send an HTTP request in background.

2 Create the AsyncTask Class

1. Create a class and extend it to AsyncTask¡URL, Void, String¿.

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4. Override onPostExecute (not needed).

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2.1 Override doInBackground

1. Take the urls needed from the URL array (You send it when u call the AsyncTask).

2. Manage it as you need.

3. Return the response

```
1
2  @Override
3  protected String doInBackground(URL... params) {
4     URL searchUrl = params[0];
5     String githubSearchResults = null;
6     try {
7        githubSearchResults =
            NetworkUtils.getResponseFromHttpUrl(searchUrl);
8     } catch (IOException e) {
9        e.printStackTrace();
10    }
11    return githubSearchResults;
12 }
```

2.2 Override onPreExecute

This part will be executed before doInBackground.

Example:

```java
@Override
protected void onPreExecute() {
    mLoadingProgressBar.setVisibility(View.VISIBLE);
    mSearchResultsTextView.setVisibility(View.INVISIBLE);
}
```

2.3 Override onPostExecute

This part will be executed after doInBackground. Here you can manage the response of doInBackground.

Example:

```java
@Override
protected void onPostExecute(String githubSearchResults) {
    mLoadingIndicator.setVisibility(View.INVISIBLE);
    if (githubSearchResults != null &&
            !githubSearchResults.equals("")) {
        showJsonDataView();
        mSearchResultsTextView.setText(githubSearchResults);
    } else {
        showErrorMessage();
    }
}
```

2.4 Execute your AsyncTask

```java
new GithubQueryTask().execute(githubSearchUrl);
```

AsyncTask Resource