

# StackOverflow Scraping Website

**Website Goal :** To scrape **10 Newest** and **10 Most Voted** question with the tag **[android]**.

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**Language :** Python, HTML, Bootstrap

**Platform and Tools:** Pycharm, Anaconda, Django

**How to Install the System Locally:** The website isn't published yet in any worldwide server. That's why it must be installed and used locally. Please follow the steps below one by one to use the website locally at any time. For this website to work manually, you must have **Python** and **Django** installed on your system. For this, I used **Anaconda** which is a platform automatically installing the packages of python. Along with it, I also used **Jebrains Pycharm Community Edition 2019** which is an IDE to edit and run the Python terminal and web pages conveniently. So, if you do not have **Python** and **Django** installed on your system and skip first two steps below. Otherwise, you can also follow this steps:

- Install Python 3.7 from [www.python.org](http://www.python.org) (download according to your OS)
- Download and unzip the project directory to a directory of your choice
- Open the command prompt and move to the project directory by **cd**. The directory is **"/STACK SCRAPING/mysite"**
- On the terminal hit-> *pip install Django*
- After installing Django hit -> *python manage.py runserver*
- Go to the displayed IP address which is most probably 127.0.0.1:8000 and write this url **"127.0.0.1:8000/webscrap/"**

You should be good to go with the website. In case any error comes up, you can always try to restart from the first. Remember you have to be present at the **Project Directory** called **"?STACK SCRAPING/mysite"**

## Details of the Website :

Hello. This is a very normalized site on scraping data related to tag **[ANDROID]** from [www.stackoverflow.com](http://www.stackoverflow.com) which is a Question-Answering site normally related to programming world. This is one of the most popular, if not the most popular site in the world for programming problems' knowledge sharing.

In this site, I can see the **"10 MOST VOTED"** and **"10 NEWEST"** questions(Q or A) at any time with an **[ANDROID]** tag, and so I might be able to stay relevant to the most specific questions at any time.

There is also a new feature in this website which is yet to be implemented, and I am calling it “**LATEST QUESTIONS**”.

Now, at the left side you can find only three tabs to explore currently. We can get which tab does what from the names of the tabs respectively. Descriptions for each of the tab’s feature is given below.

- 1) **10 MOST VOTED QUESTIONS:** In this tab, anyone can find the 10 most voted questions on the tag [android] from this moment to last one-week time. Upon clicking the question title this will pop-up another new tab and redirect to the main question thread on StackOverflow.
- 2) **10 NEWEST QUESTIONS:** In this tab, anyone can find the 10 newest questions on the tag [android] from this moment to last one-week time. Upon clicking the question title this will pop-up another new tab and redirect to the main question thread on StackOverflow.
- 3) **10 LATEST QUESTIONS(NOT COMPLETED YET)** : This is my new feature. In this tab, I will sort out from the latest questions on StackOverflow, the last posted 10 Questions first. And among them, I will display which questions are with the tag of [android]. If there isn't any, nothing will show up then. And, if there are some questions, anyone can go directly to the question thread.