WEB SCRAPING – ASSIGNMENT 4

- **Read all the problem statements, notes carefully and scrape the required data using any web scraping tool of your choice.**
- **You have to handle commonly occurring EXCEPTIONS by using exception handling programing. To get information about selenium Exceptions. You may visit following links:**
    1. **https://selenium-python.readthedocs.io/api.html**
    2. **https://www.guru99.com/exception-handling-selenium.html**
    3. **https://stackoverflow.com/questions/38022658/selenium-python-handling-no-such-element-exception/38023345**

1. Scrape the details of most viewed videos on YouTube from Wikipedia.
   Url = https://en.wikipedia.org/wiki/List_of_most-viewed_YouTube_videos
   You need to find following details:
   A) Rank
   B) Name
   C) Artist
   D) Upload date
   E) Views

2. Scrape the details team India's international fixtures from bcci.tv.
   Url = https://www.bcci.tv/.
   You need to find following details:
   A) Match title (I.e. 1st ODI)
   B) Series
   C) Place
   D) Date
   E) Time
   Note: - From bcci.tv home page you have reach to the international fixture page through code.

3. Scrape the details of State-wise GDP of India from statisticstime.com.
   Url = http://statisticstimes.com/
   You have to find following details:
   A) Rank
   B) State
   C) GSDP(18-19)- at current prices
   D) GSDP(19-20)- at current prices
   E) Share(18-19)
   F) GDP($ billion)
   Note: - From statisticstimes home page you have to reach to economy page through code.

4. Scrape the details of trending repositories on Github.com.
   Url = https://github.com/
   You have to find the following details:
   A) Repository title
   B) Repository description
   C) Contributors count
   D) Language used

Note: - From the home page you have to click on the trending option from Explore menu through code.

5. Scrape the details of top 100 songs on billiboard.com.
   Url = https:/www.billboard.com/
   You have to find the following details:
   A) Song name
   B) Artist name
   C) Last week rank
   D) Peak rank
   E) Weeks on board
   Note: - From the home page you have to click on the charts option then hot 100-page link through code.

6. Scrape the details of Highest sellingnovels.
   Url = https://www.theguardian.com/news/datablog/2012/aug/09/best-selling-books-all-time-fifty-shades-grey-compare/
   You have to find the following details:
   A) Book name
   B) Author name
   C) Volumes sold
   D) Publisher
   E) Genre

7. Scrape the details most watched tv series of all time from imdb.com.
   Url = https://www.imdb.com/list/ls095964455/
   You have to find the following details:
   A) Name
   B) Year span
   C) Genre
   D) Run time
   E) Ratings
   F) Votes

8. Details of Datasets from UCI machine learning repositories.
   Url = https://archive.ics.uci.edu/
   You have to find the following details:
   A) Dataset name
   B) Data type
   C) Task
   D) Attribute type
   E) No of instances
   F) No of attribute
   G) Year
   Note: - from the home page you have to go to the ShowAllDataset page through code.