<div align="center">**LAWLIET**</div>

TASK:

Building a metric system for a Twitter profile. To find a user's Twitter profile score. Score can range from 0 to 100.

API USED – Python-Twitter API (source – code.google.com/p/python-twitter/)

Technologies Used – Python, Flask, Git.

API METHODS

api.GetUserTimeline(user)

The api.GetUserTimeline(user) method returns the twitter.Status class object of the user submitted as parameter value.

The Status structure exposes the property 'user'. It represents a 'user' class object that too has a special structure.

The following properties of User structure are used to retrieve the user's details, submitted as parameter, data:

user.id	: It returns the User's Twitter Unique Id
user.name	: It returns the User's Twitter username
user.screen_name	: It returns the User's Profile Name that he/she uses to display on profile
user.location	: It returns the User's Location
user.description	: It returns the User defined description on his/her profile
user.profile_image_url	: It returns the profile image url if present else false
user.profile_background_color	: It returns the profile background color code else returns false
user.profile_text_color	: It returns the profile text color code else returns false
user.protected	: It returns whether the profile is protected
user.status	: It returns the User's status
user.statuses_count	: It returns the count of the status posted by the User
user.followers_count	: It returns the count of the followers of the User
user.friends_count	: It returns the count of the friends of the User
user.favourites_count	: It returns the count of the favourites of the User

FORMULA :

Total score for the profile 100

Distribution of Score

50 marks for the follower and friend ratio

10 marks for the status posts made

10 marks for the favorite statuses

5 marks for the background color

5 marks for the text color

5 marks for the description

5 marks for the protection of profile

5 marks for profile image

5 marks for listed count

Follower and Friend ratio:

50 marks are based on the ratio of the followers of the user and number of friends he has made. The main idea behind this ratio is, the more popular the person is more follower he has but has limited friends.
The ratio of follower to friends is mapped to the value of 50.

Status posted:

10 marks are based on the number of statuses posted by the user since the time he created his account.
The value of statuses is mapped to the value of 10.

Favorite Status:

10 marks are based on the number of statues of a user are being added or tagged as favorite by other users.
The value of favorite statuses is mapped to the value of 10.

Background color:

5 marks are based on if the user has set a background color.

Text color:

5 marks are based on if the user has set a text color.

Description:

5 marks are based on if the user has a description for the profile.

Protection for profile:

5 marks are based if the user has a protected profile.

Profile image:

5 marks are based on if the user has a profile image.

Listed Count:

5 marks are based on if the number of people you are listed in.

Age Rating:

If the above formulas don't make the score 100, the age of profile will also be rated. The marks given for profile age are random.
It is rated as : (above_score/age_of_profile_in_months) the value generated above will be added to the score.

Final Score:

Final score gets calculated from sum above given parameters.

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