# 1st TASK: Fetch data from subreddit Bunnies, order it and save it as CSV and then make it available on web in form of a html table using FLASK.

Solution:

Here are the steps, code and tool used for this task.

1. Jupiter notebook is used to scrap data from reddit with the help of **Praw API** and saved a csv.

**Here is code:**

import praw

import pandas as pd

# Authentication

reddit = praw.Reddit(client\_id='e-hn-7GXoQPZK\_PHF-0OHA',

client\_secret='vIfBgO3h3NuiHdVk4rLHkqt00kqwUA',

user\_agent='STACC home task')

# Fetching data of 20 top posts from subreddit Bunnies

posts = []

ml\_subreddit = reddit.subreddit('Bunnies')

for post in ml\_subreddit.hot(limit=20):

posts.append([post.title, post.score, post.id, post.subreddit, post.url, post.num\_comments, post.selftext, post.created])

posts = pd.DataFrame(posts,columns=['title', 'score', 'id', 'subreddit', 'url', 'num\_comments', 'body', 'created'])

posts

# Writing to CSV file

posts.to\_csv('Bunnies\_data.csv', index=False)

1. Visual code is used here: With flask the fetched data is read and converted into HTML from CSV with render function and HTML table template , then made available at local host(<http://127.0.0.1:5000/>)

**Code for flask app:**

# importing flask

from flask import Flask, render\_template

# importing pandas module

import pandas as pd

app = Flask(\_\_name\_\_)

# reading the data in the csv file

df = pd.read\_csv('Bunnies\_data.csv')

df.to\_csv('Bunnies\_data.csv', index=None)

# route to html

@app.route('/')

@app.route('/table')

def table():

# converting csv to html

data = pd.read\_csv('Bunnies\_data.csv')

return render\_template('table.html', tables=[data.to\_html()], titles=[''])

if \_\_name\_\_ == "\_\_main\_\_":

app.run(host="localhost", port=int("5000"))

**HTML tamplate used:**

<!DOCTYPE html>

<html lang="en">

<head>

<title> Table </title>

</head>

<body>

<div align="center">

<table>

<h1>

<!--Displaying the converted table-->

{% for table in tables %}

<h2>{{titles[loop.index]}}</h2>

{{ table|safe }}

{% endfor %}

</h1>

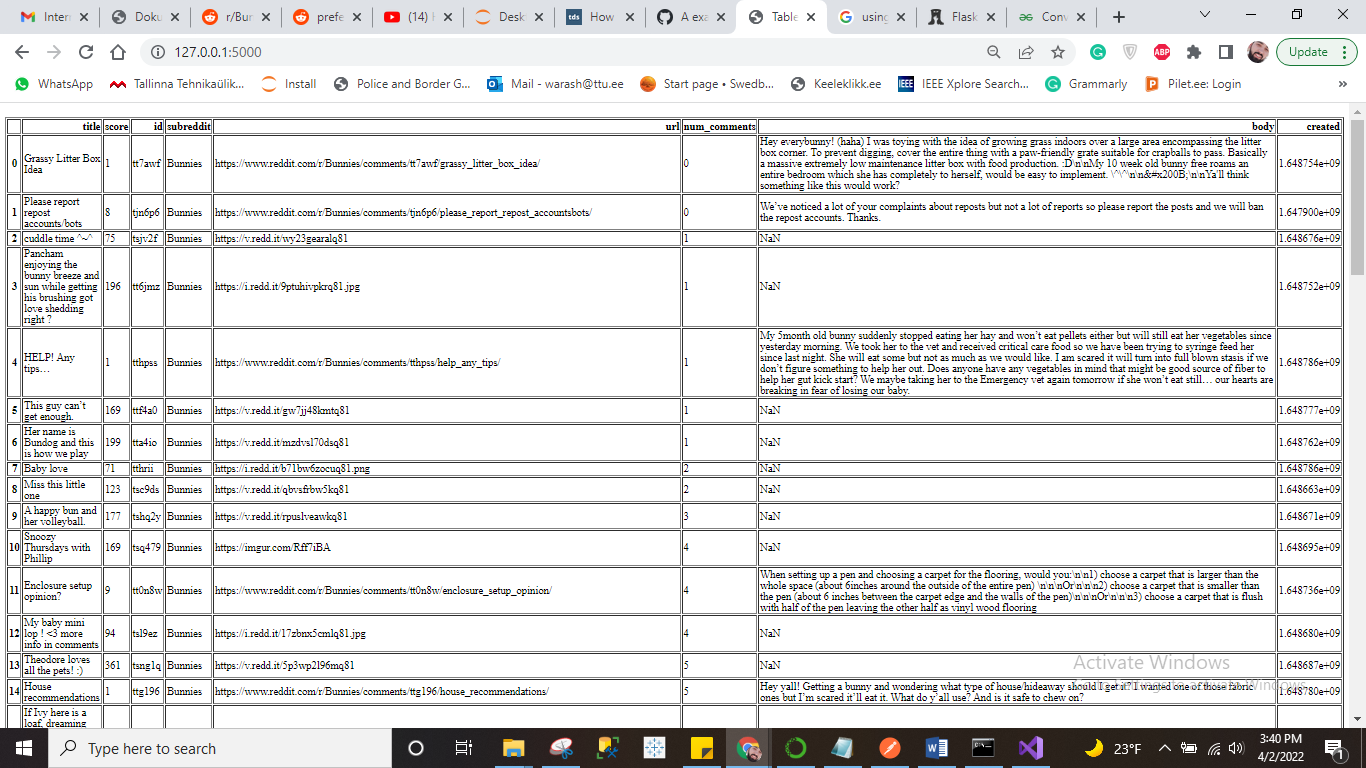
</table>

</div>

</body>

</html>

**Web snap:**

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**CMD window:**

