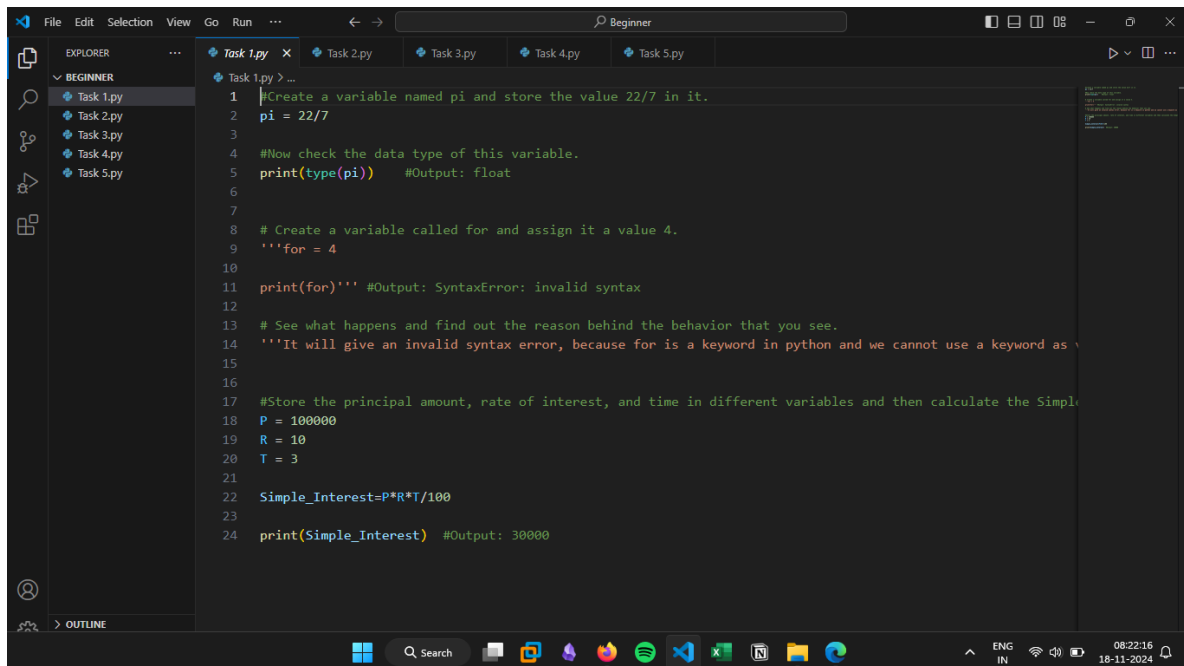
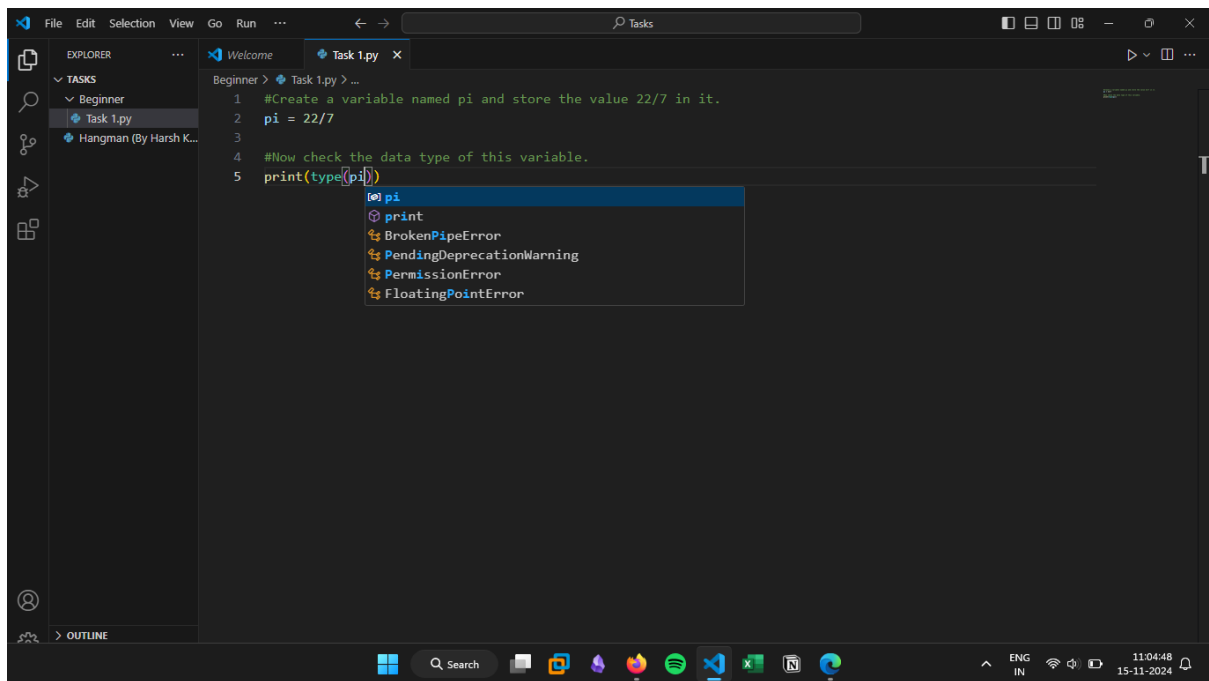
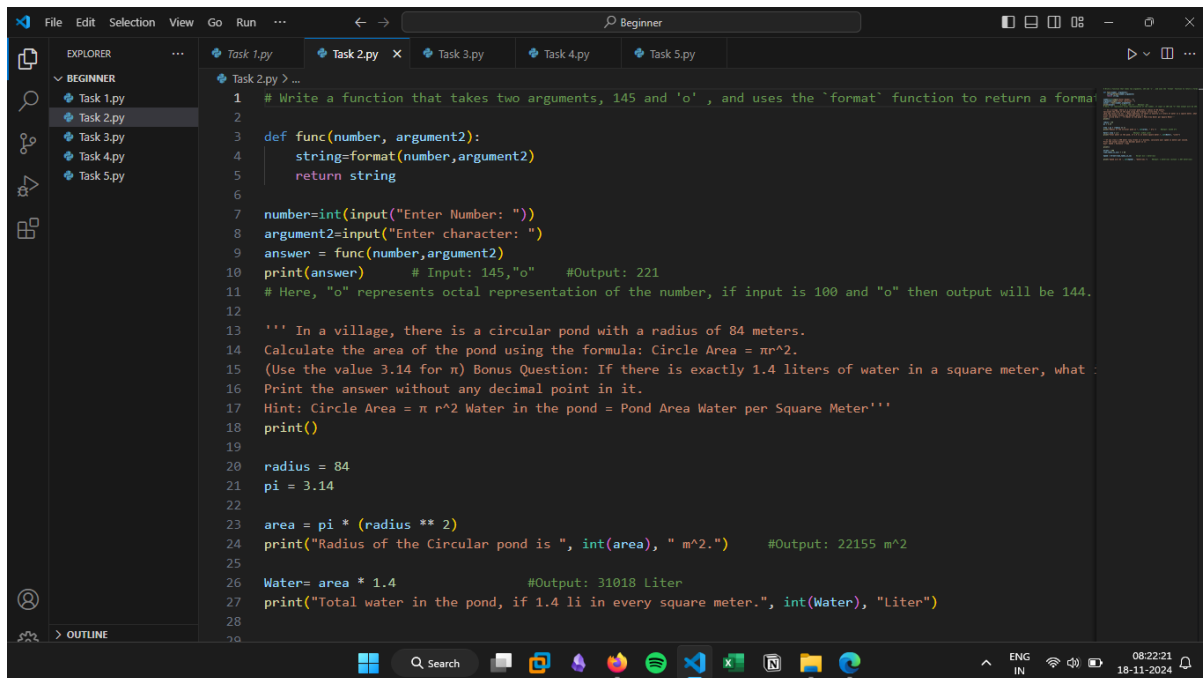


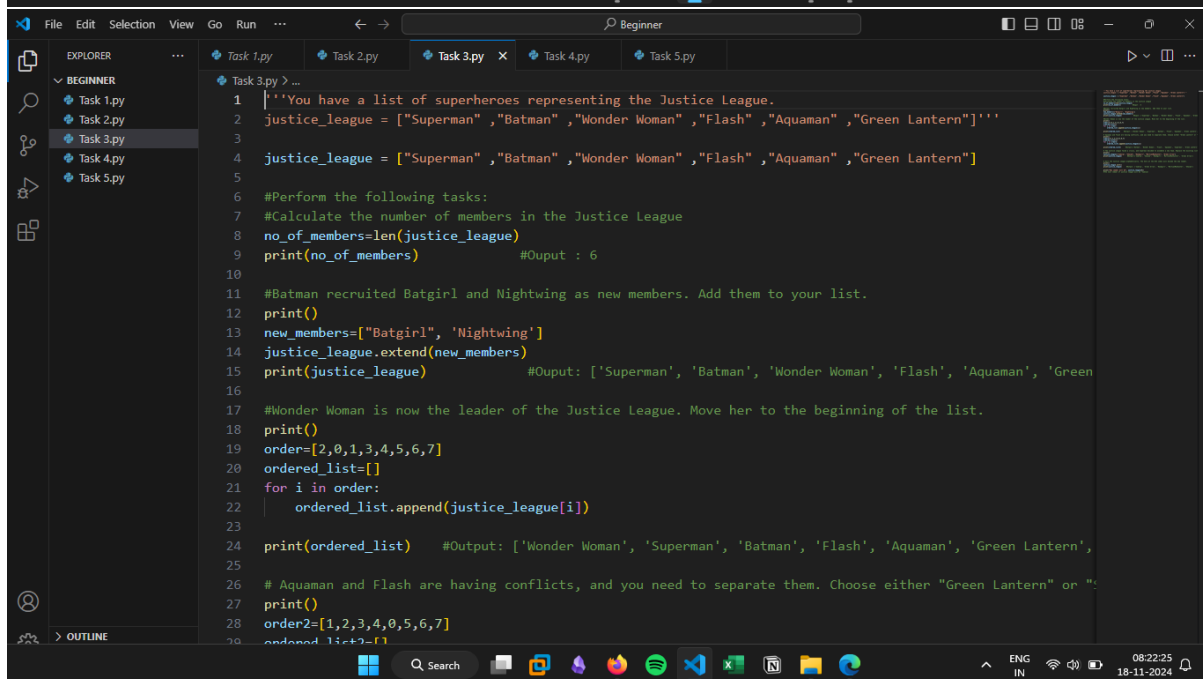
Beginner Level:





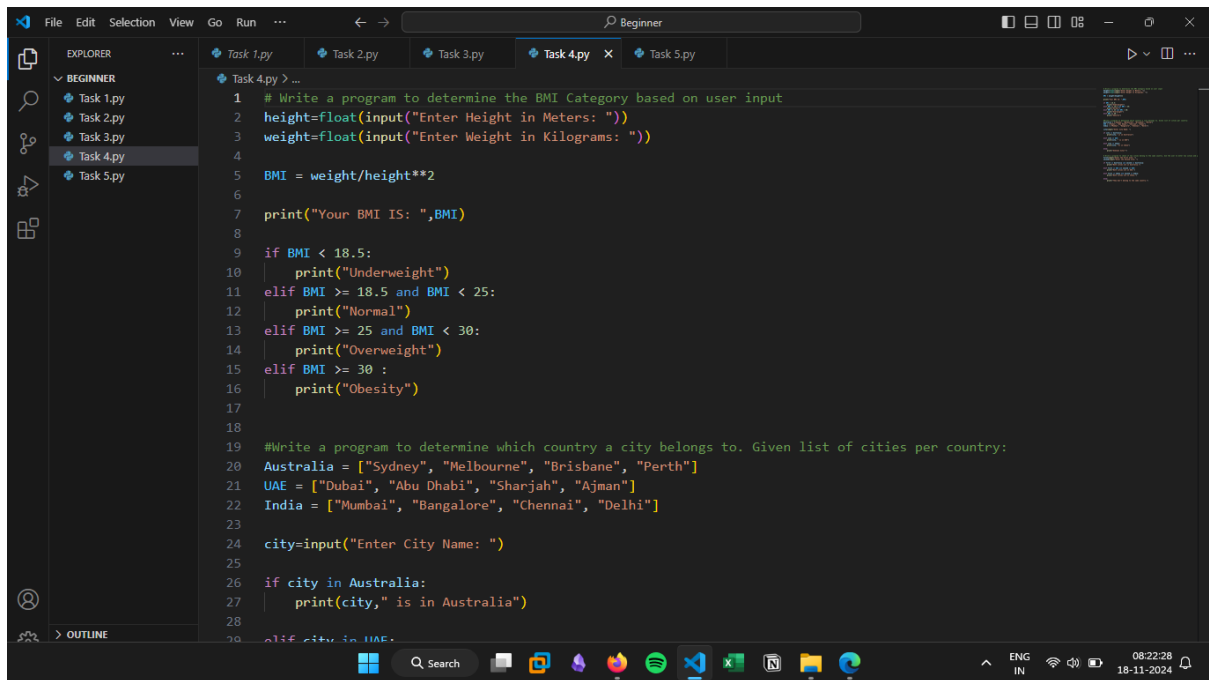
This screenshot shows the VS Code editor with the file explorer on the left displaying a 'BEGINNER' folder containing five Python files (Task 1.py to Task 5.py). The main editor window is open to 'Task 2.py', which contains the following Python code:

```
1 # Write a function that takes two arguments, 145 and 'o', and uses the 'format' function to return a formatted string.
2
3 def func(number, argument2):
4     string=format(number,argument2)
5     return string
6
7 number=int(input("Enter Number: "))
8 argument2=input("Enter character: ")
9 answer = func(number,argument2)
10 print(answer)      # Input: 145,"o"      #Output: 221
11 # Here, "o" represents octal representation of the number, if input is 100 and "o" then output will be 144.
12
13 ''' In a village, there is a circular pond with a radius of 84 meters.
14 Calculate the area of the pond using the formula: Circle Area =  $\pi r^2$ .
15 (Use the value 3.14 for  $\pi$ ) Bonus Question: If there is exactly 1.4 liters of water in a square meter, what is the total water in the pond?
16 Print the answer without any decimal point in it.
17 Hint: Circle Area =  $\pi r^2$  Water in the pond = Pond Area Water per Square Meter'''
18 print()
19
20 radius = 84
21 pi = 3.14
22
23 area = pi * (radius ** 2)
24 print("Radius of the Circular pond is ", int(area), " m^2.")      #Output: 22155 m^2
25
26 Water= area * 1.4      #Output: 31018 Liter
27 print("Total water in the pond, if 1.4 li in every square meter.", int(Water), "Liter")
28
29
```



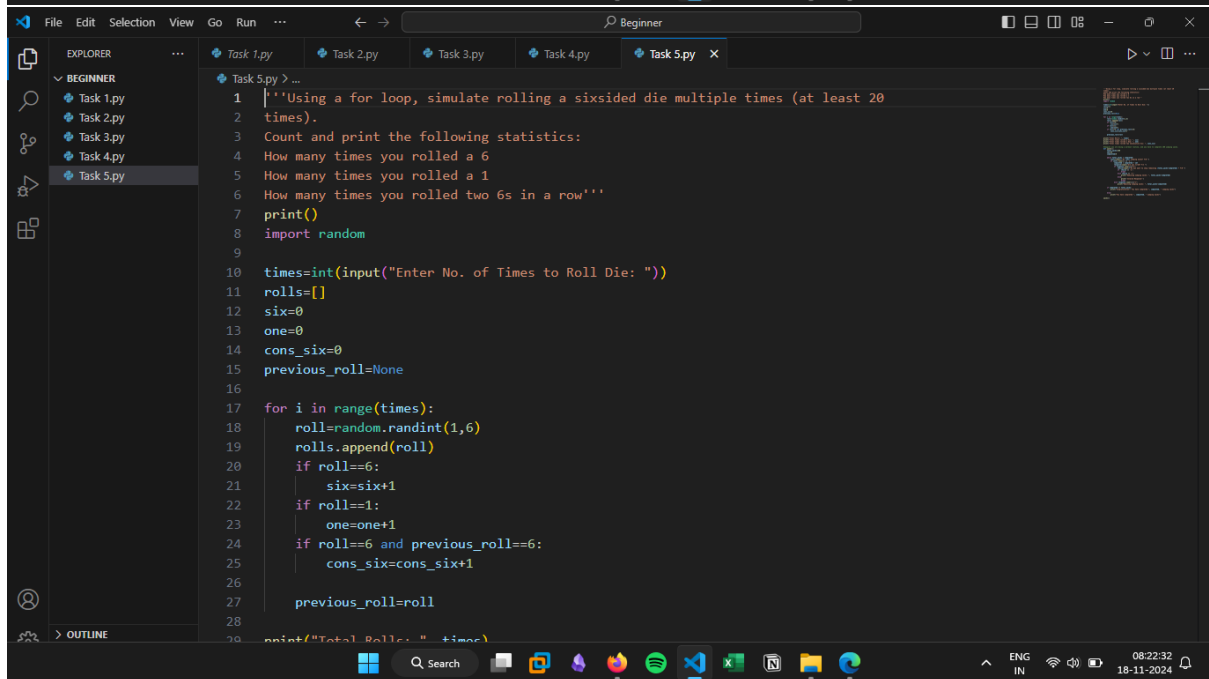
This screenshot shows the VS Code editor with the file explorer on the left displaying the same 'BEGINNER' folder. The main editor window is open to 'Task 3.py', which contains the following Python code:

```
1 '''You have a list of superheroes representing the Justice League.
2 justice_league = ["Superman", "Batman", "Wonder Woman", "Flash", "Aquaman", "Green Lantern"]'''
3
4 justice_league = ["Superman", "Batman", "Wonder Woman", "Flash", "Aquaman", "Green Lantern"]
5
6 #Perform the following tasks:
7 #Calculate the number of members in the Justice League
8 no_of_members=len(justice_league)
9 print(no_of_members)      #Output : 6
10
11 #Batman recruited Batgirl and Nightwing as new members. Add them to your list.
12 print()
13 new_members=["Batgirl", 'Nightwing']
14 justice_league.extend(new_members)
15 print(justice_league)      #Output: ['Superman', 'Batman', 'Wonder Woman', 'Flash', 'Aquaman', 'Green Lantern', 'Batgirl', 'Nightwing']
16
17 #Wonder Woman is now the leader of the Justice League. Move her to the beginning of the list.
18 print()
19 order=[2,0,1,3,4,5,6,7]
20 ordered_list=[]
21 for i in order:
22     ordered_list.append(justice_league[i])
23
24 print(ordered_list)      #Output: ['Wonder Woman', 'Superman', 'Batman', 'Flash', 'Aquaman', 'Green Lantern', 'Batgirl', 'Nightwing']
25
26 # Aquaman and Flash are having conflicts, and you need to separate them. Choose either "Green Lantern" or "Flash" to remove.
27 print()
28 order2=[1,2,3,4,0,5,6,7]
29 ordered_list2=[]
30
```



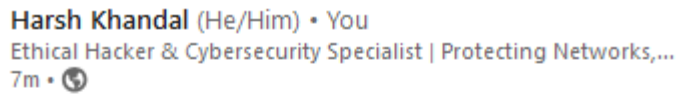
This screenshot shows the Visual Studio Code editor with the file explorer on the left displaying a 'BEGINNER' folder containing five Python files. The main editor window is open to 'Task 4.py', which contains two Python programs. The first program calculates BMI based on user input for height and weight, and the second program determines a city's country from a predefined list.

```
1 # Write a program to determine the BMI Category based on user input
2 height=float(input("Enter Height in Meters: "))
3 weight=float(input("Enter Weight in Kilograms: "))
4
5 BMI = weight/height**2
6
7 print("Your BMI IS: ",BMI)
8
9 if BMI < 18.5:
10     print("Underweight")
11 elif BMI >= 18.5 and BMI < 25:
12     print("Normal")
13 elif BMI >= 25 and BMI < 30:
14     print("Overweight")
15 elif BMI >= 30 :
16     print("Obesity")
17
18
19 #Write a program to determine which country a city belongs to. Given list of cities per country:
20 Australia = ["Sydney", "Melbourne", "Brisbane", "Perth"]
21 UAE = ["Dubai", "Abu Dhabi", "Sharjah", "Ajman"]
22 India = ["Mumbai", "Bangalore", "Chennai", "Delhi"]
23
24 city=input("Enter City Name: ")
25
26 if city in Australia:
27     print(city," is in Australia")
28
29 elif city in UAE:
```



This screenshot shows the Visual Studio Code editor with the file explorer on the left displaying the same 'BEGINNER' folder. The main editor window is open to 'Task 5.py', which contains a Python program that simulates rolling a six-sided die multiple times and prints statistics based on the results.

```
1 '''Using a for loop, simulate rolling a sixsided die multiple times (at least 20
2 times).
3 Count and print the following statistics:
4 How many times you rolled a 6
5 How many times you rolled a 1
6 How many times you rolled two 6s in a row'''
7 print()
8 import random
9
10 times=int(input("Enter No. of Times to Roll Die: "))
11 rolls=[]
12 six=0
13 one=0
14 cons_six=0
15 previous_roll=None
16
17 for i in range(times):
18     roll=random.randint(1,6)
19     rolls.append(roll)
20     if roll==6:
21         six=six+1
22     if roll==1:
23         one=one+1
24     if roll==6 and previous_roll==6:
25         cons_six=cons_six+1
26
27     previous_roll=roll
28
29 print("Total Rolls: " , times)
```




I'm thrilled to announce that I've successfully completed my beginner-level tasks as an Python Development intern at [ShadowFox](#) Company. This experience has been incredibly rewarding, and I've gained valuable insights and skills in cybersecurity and ethical hacking.

Looking forward to new challenges and opportunities ahead!
#Internship #CyberSecurity #PythonDevelopment #LearningJourney #



The screenshot displays a Windows 11 desktop with a VS Code editor open. The Explorer sidebar on the left shows a project structure with files like Project_1_Converter, decry.py, Hangman.py, If-else.py, IP_Project.py, Time.py, Try.py, and Try2.py. The main editor displays the Hangman.py code, which includes imports for random and os, a Game() function definition, and a main loop. The terminal at the bottom shows the output of the program, including the word 'HANGMAN GAME' and a drawing of a gallows. The system tray at the bottom right shows the date and time as 14-11-2024, 20:11:03.

[illegible]

Harsh Khandal (He/Him) • You
Ethical Hacker & Cybersecurity Specialist | Protecting Networks,...
6m • 


🌞 Excited to Share My Journey at [ShadowFox](#) Company! 🌞

I'm thrilled to announce that I've successfully completed my Intermediate-level tasks as an Python Development intern at [ShadowFox](#) Company. This experience has been incredibly rewarding, and I've gained valuable insights and skills in cybersecurity and ethical hacking.

A big thank you to my mentors and the amazing team at [ShadowFox](#) for their guidance and support. This journey has solidified my passion for cybersecurity, and I'm eager to continue learning and growing in this field.

Looking forward to new challenges and opportunities ahead!

#Internship #CyberSecurity #Python_Development #LearningJourney :



The screenshot shows a VS Code editor with a Python file named `Hangman.py` by Harsh Khadadiya. The code is as follows:

```
1 import random
2 import os
3 import time
4
5 os.system("cls")
6
7 print("""
8
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Advanced Level:

ShadowFox

Basic writing and formatting s... Guide to Using GPT-3 with Pytl... OpenAI

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Trusted

JupyterLab Python 3 (ipykernel)

ShadowFox Advanced Level Task 3

Embark on an AI-driven journey in the realm of natural language processing (NLP) and machine learning (ML) by deploying a Language Model (LM) of your choice. In this project, you are tasked with delving into the intricacies of LM technology, where the selection of the LM is entirely at your discretion. The comprehensive process involves not only implementing the chosen LM but also conducting an indepth analysis of its performance and capabilities.

1. LM Selection.

For this Task, I'm Going to use GPT-3 Language Model.
Because:

- 1) Great Tool for Text Generation.
- 2) Creative Writing
- 3) Popular
- 4) Wide Database and knowledge

2. Implementation in a Jupyter Notebook.

```
[7]: pip install openai
```

Requirement already satisfied: openai in c:\users\kpk\appdata\local\packages\pythonsoftwarefoundation.python.3.11_qbz5n2kfra8p0\localcache\local-packages\python311\site-packages (1.54.4)Note: you may need to restart the kernel to use updated packages.

Requirement already satisfied: anyio<5,>=3.5.0 in c:\users\kpk\appdata\local\packages\pythonsoftwarefoundation.python.3.11_qbz5n2kfra8p0\localcache\local-packages\python311\site-packages (from openai) (4.6.2.post1)

Requirement already satisfied: distro<2,>=1.7.0 in c:\users\kpk\appdata\local\packages\pythonsoftwarefoundation.python.3.11_qbz5n2kfra8p0\loc...

Home

ShadowFox

Hk-Hacker-Harsh/ShadowFox- X

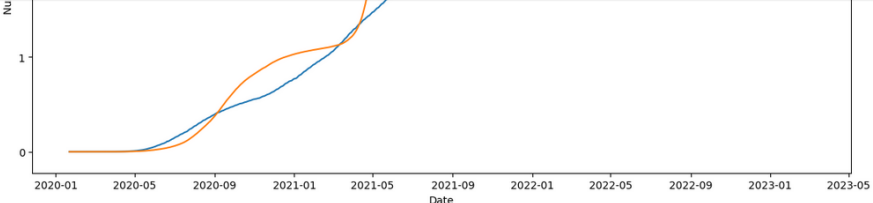
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ShadowFox Last Checkpoint: 9 hours ago

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JupyterLab Python 3 (ipykernel)



5. Conclusions (Insights)

Through the long CSV we can get detailed analysis about country and date wise trend of Covid-19.
Through the analysis we found that Global tren of Covid-19 increased, whereas the country wise trend depends on individual countries.

The analysis highlights the importance of continuous monitoring and data analysis in understanding and responding to the COVID-19 pandemic. Visualizing the data helps uncover patterns and trends that are vital for making informed decisions to protect public health and manage resources effectively.

Obsidian

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ShadowFox Last Checkpoint: 46 minutes ago

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Python 3 (ipykernel)

ShadowFox Advanced Level Task 3

Present your findings on the final project, where you are tasked with creating a Jupyter notebook from scratch and conducting a data analysis on a dataset of your choice. This comprehensive process involves selecting a dataset that piques your interest, exploring its contents within a Jupyter notebook, and identifying research questions that the data might help answer.

1. Finding a Dataset.

For this task, Let's use a Popular Data Set of Covid-19 by CSSE. This Dataset gives an comprehensive view on confirmed cases on whole globe. `!Dataset For Covid-19 Confirmed Cases](https://raw.githubusercontent.com/CSSEGISandData/COVID-19/refs/heads/master/csse_covid_19_data/csse_covid_19_time_series/time_series_covid19_confirmed_global.csv)`

2. Dataset Exploration.

```
[ ]: For this, we will use pandas to load the DataSet in Jupyter Notebook.
First Install pandas through pip.

[ ]: pip install pandas

[ ]: import pandas as pd #Giving alies pd to Pandas Library
```

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ShadowFox Last Checkpoint: 46 minutes ago

File Edit View Run Kernel Settings Help

Python 3 (ipykernel)

ShadowFox Advanced Level Task 3

Present your findings on the final project, where you are tasked with creating a Jupyter notebook from scratch and conducting a data analysis on a dataset of your choice. This comprehensive process involves selecting a dataset that piques your interest, exploring its contents within a Jupyter notebook, and identifying research questions that the data might help answer.

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Notion

Search

ENG IN

21:59:41 16-11-2024



Harsh Khandal (He/Him) • You

Ethical Hacker & Cybersecurity Specialist | Protecting Networks,...
now • 🌐

...

🌟 Excited to Share My Journey at **ShadowFox** Company! 🌟

I'm thrilled to announce that I've successfully completed my Advanced-level tasks as an Python Development intern at **ShadowFox** Company. This experience has been incredibly rewarding, and I've gained valuable insights and skills in cybersecurity and ethical hacking.

A big thank you to my mentors and the amazing team at **ShadowFox** for their guidance and support. This journey has solidified my passion for cybersecurity, and I'm eager to continue learning and growing in this field.

Looking forward to new challenges and opportunities ahead!

[#Internship](#) [#CyberSecurity](#) [#EthicalHacking](#) [#LearningJourney](#) [#Shadc](#)

