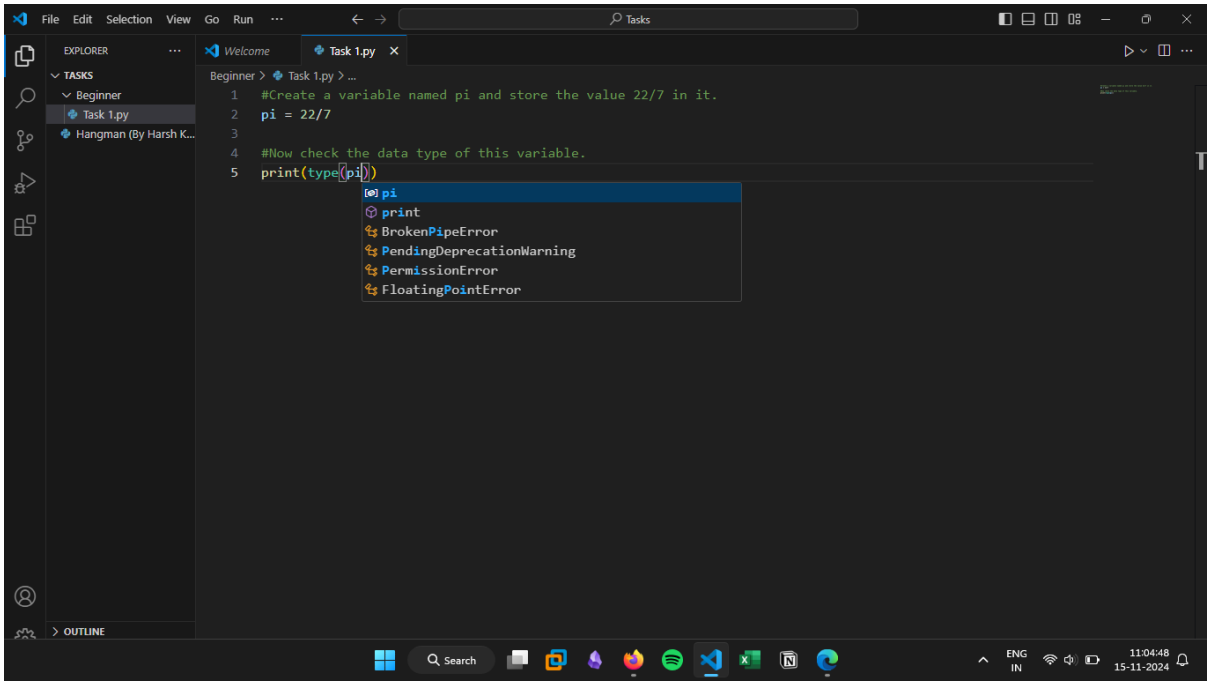
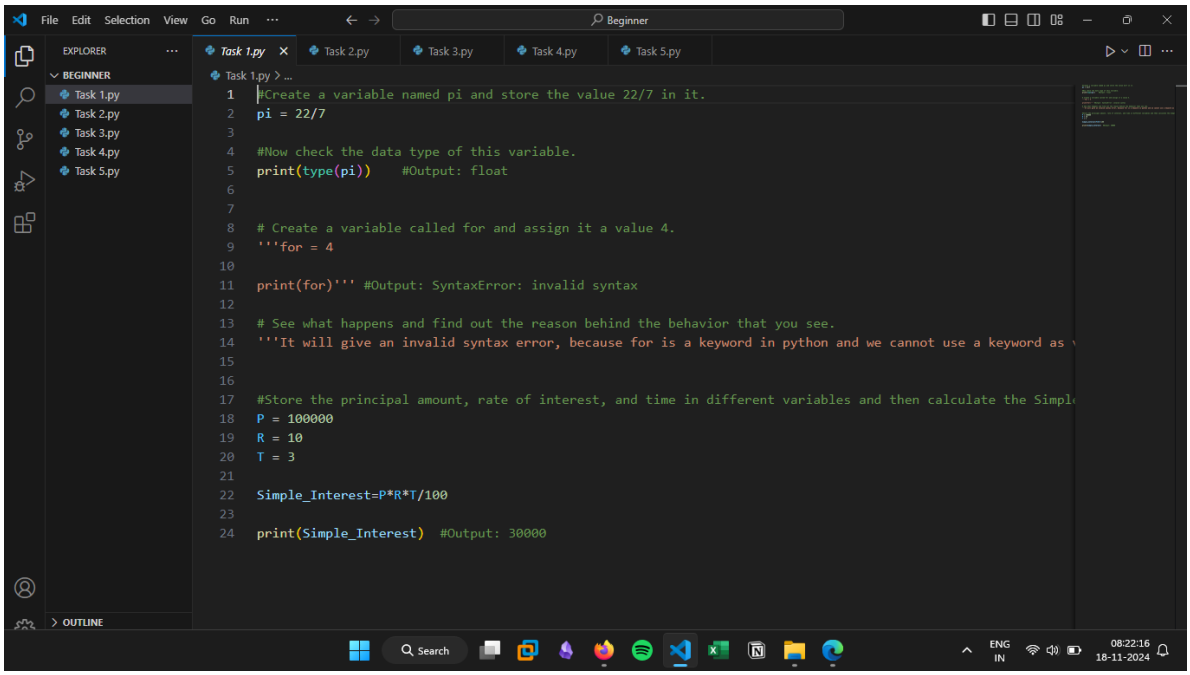
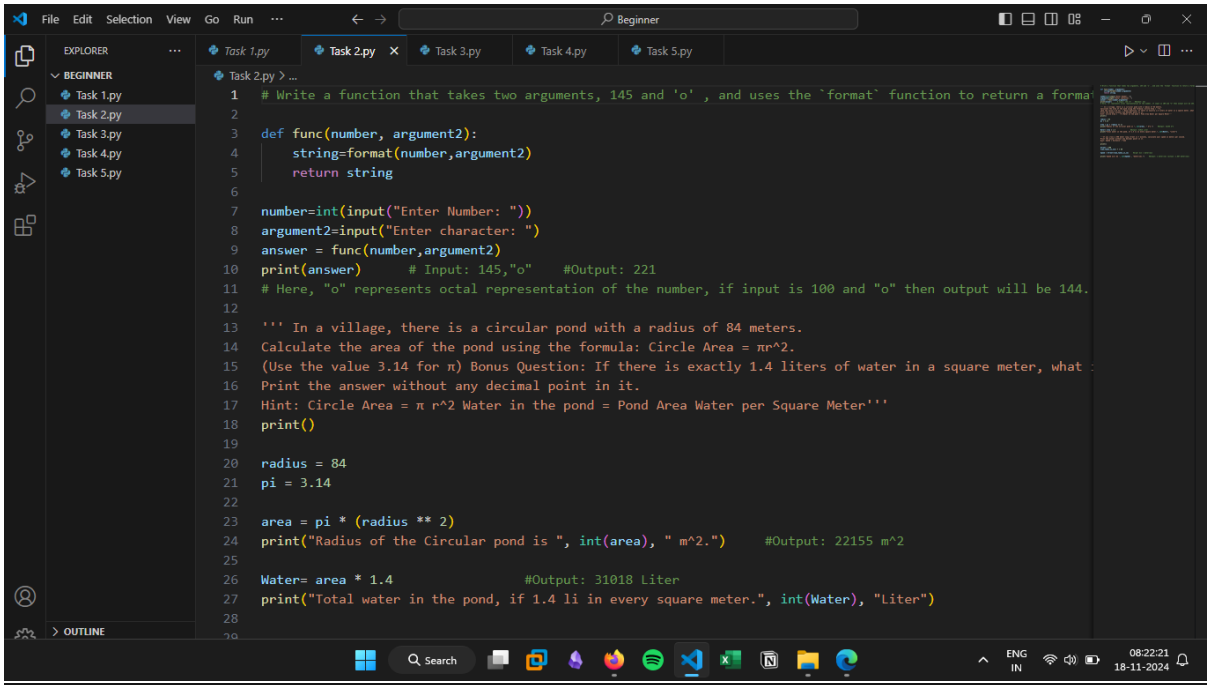
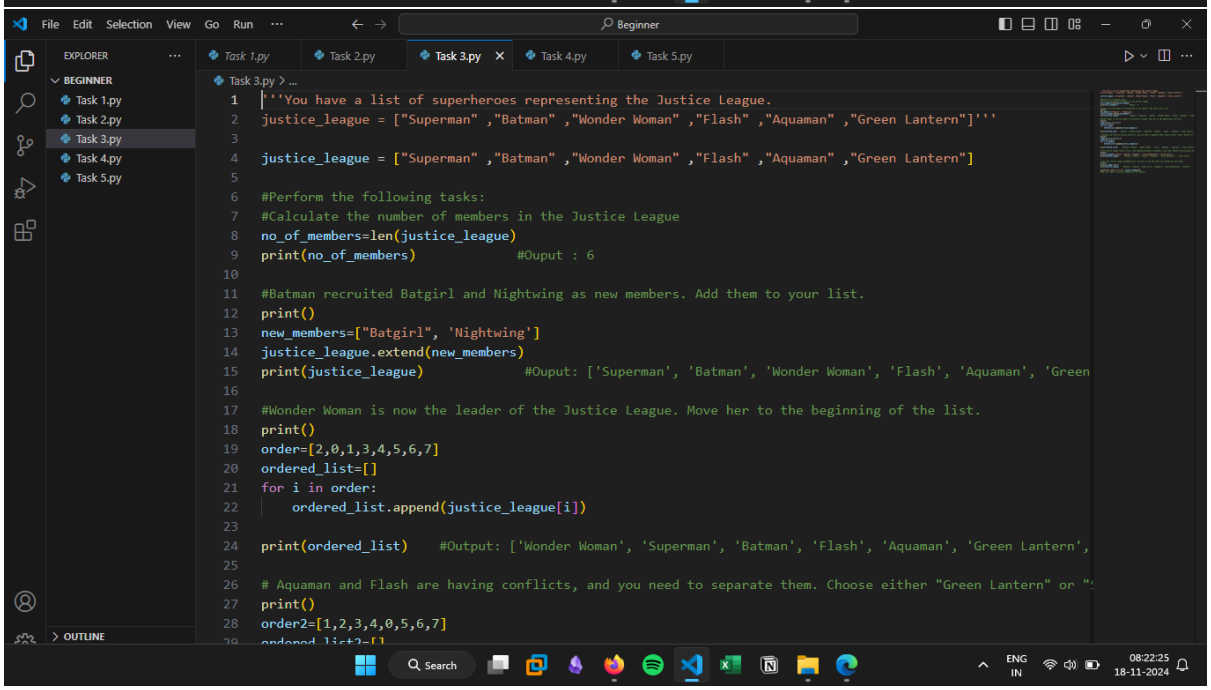
Beginner Level:



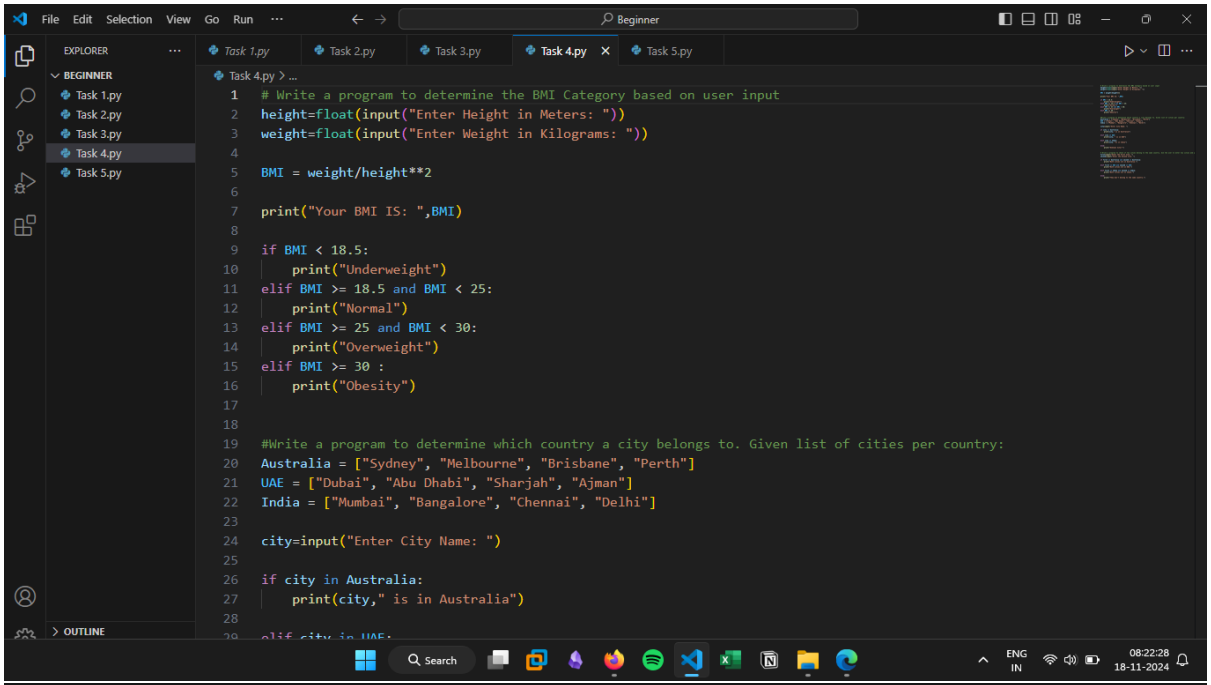


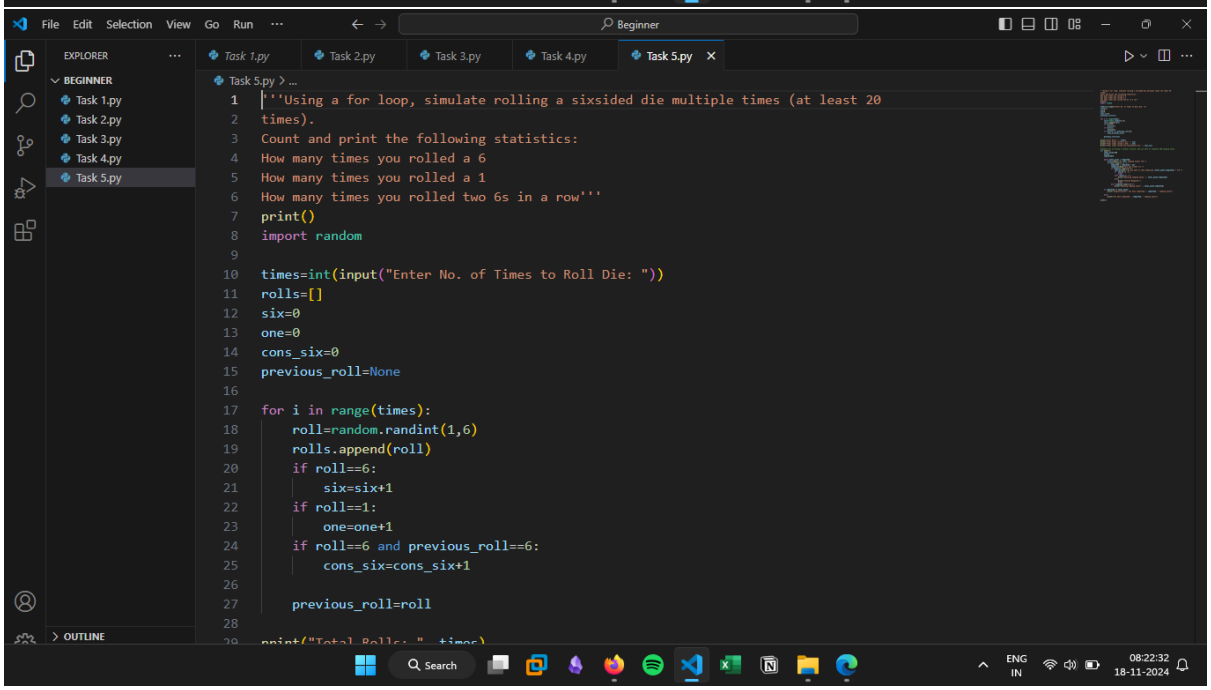


```
# Write a function that takes two arguments, 145 and 'o' , and uses the `format` function to return a forma

def func(number, argument2):
    string=format(number,argument2)
    return string

number=int(input("Enter Number: "))
argument2=input("Enter character: ")
answer = func(number,argument2)
print(answer)       # Input: 145,"o"    #Output: 221
# Here, "o" represents octal representation of the number, if input is 100 and "o" then output will be 144.

''' In a village, there is a circular pond with a radius of 84 meters.
Calculate the area of the pond using the formula: Circle Area = πr^2.
(Use the value 3.14 for π) Bonus Question: If there is exactly 1.4 liters of water in a square meter, what
Print the answer without any decimal point in it.
Hint: Circle Area = π r^2 Water in the pond = Pond Area Water per Square Meter'''
print()

radius = 84
pi = 3.14

area = pi * (radius ** 2)
print("Radius of the Circular pond is ", int(area), " m^2.")     #Output: 22155 m^2

Water= area * 1.4                #Output: 31018 Liter
print("Total water in the pond, if 1.4 li in every square meter.", int(Water), "Liter")
```



```
'''You have a list of superheroes representing the Justice League.
justice_league = ["Superman" ,"Batman" ,"Wonder Woman" ,"Flash" ,"Aquaman" ,"Green Lantern"]'''

justice_league = ["Superman" ,"Batman" ,"Wonder Woman" ,"Flash" ,"Aquaman" ,"Green Lantern"]

#Perform the following tasks:
#Calculate the number of members in the Justice League
no_of_members=len(justice_league)
print(no_of_members)             #Ouput : 6

#Batman recruited Batgirl and Nightwing as new members. Add them to your list.
print()
new_members=["Batgirl", 'Nightwing']
justice_league.extend(new_members)
print(justice_league)            #Ouput: ['Superman', 'Batman', 'Wonder Woman', 'Flash', 'Aquaman', 'Green

#Wonder Woman is now the leader of the Justice League. Move her to the beginning of the list.
print()
order=[2,0,1,3,4,5,6,7]
ordered_list=[]
for i in order:
    ordered_list.append(justice_league[i])

print(ordered_list)    #Output: ['Wonder Woman', 'Superman', 'Batman', 'Flash', 'Aquaman', 'Green Lantern',

# Aquaman and Flash are having conflicts, and you need to separate them. Choose either "Green Lantern" or "
print()
order2=[1,2,3,4,0,5,6,7]
```


File Edit Selection View Go Run
Beginner
EXPLORER
BEGINNER
Task 1.py
Task 2.py
Task 3.py
Task 4.py
Task 5.py
Task 4.py > ...
# Write a program to determine the BMI Category based on user input
height=float(input("Enter Height in Meters: "))
weight=float(input("Enter Weight in Kilograms: "))
BMI = weight/height**2
print("Your BMI IS: ",BMI)
if BMI < 18.5:
print("Underweight")
elif BMI >= 18.5 and BMI < 25:
print("Normal")
elif BMI >= 25 and BMI < 30:
print("Overweight")
elif BMI >= 30 :
print("Obesity")
#Write a program to determine which country a city belongs to. Given list of cities per country:
Australia = ["Sydney", "Melbourne", "Brisbane", "Perth"]
UAE = ["Dubai", "Abu Dhabi", "Sharjah", "Ajman"]
India = ["Mumbai", "Bangalore", "Chennai", "Delhi"]
city=input("Enter City Name: ")
if city in Australia:
print(city," is in Australia")
OUTLINE
Search
ENG
IN
08:22:28
18-11-2024


File Edit Selection View Go Run
Beginner
EXPLORER
BEGINNER
Task 1.py
Task 2.py
Task 3.py
Task 4.py
Task 5.py
Task 5.py > ...
'''Using a for loop, simulate rolling a sixsided die multiple times (at least 20
times).
Count and print the following statistics:
How many times you rolled a 6
How many times you rolled a 1
How many times you rolled two 6s in a row'''
print()
import random
times=int(input("Enter No. of Times to Roll Die: "))
rolls=[]
six=0
one=0
cons_six=0
previous_roll=None
for i in range(times):
roll=random.randint(1,6)
rolls.append(roll)
if roll==6:
six=six+1
if roll==1:
one=one+1
if roll==6 and previous_roll==6:
cons_six=cons_six+1
previous_roll=roll
OUTLINE
Search
ENG
IN
08:22:32
18-11-2024

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Ethical Hacker & Cybersecurity Specialist | Protecting Networks,...
7m •

🌟 Excited to Share My Journey at ShadowFox Company! 🌟

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.

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 #PythonDevelopment #LearningJourney #

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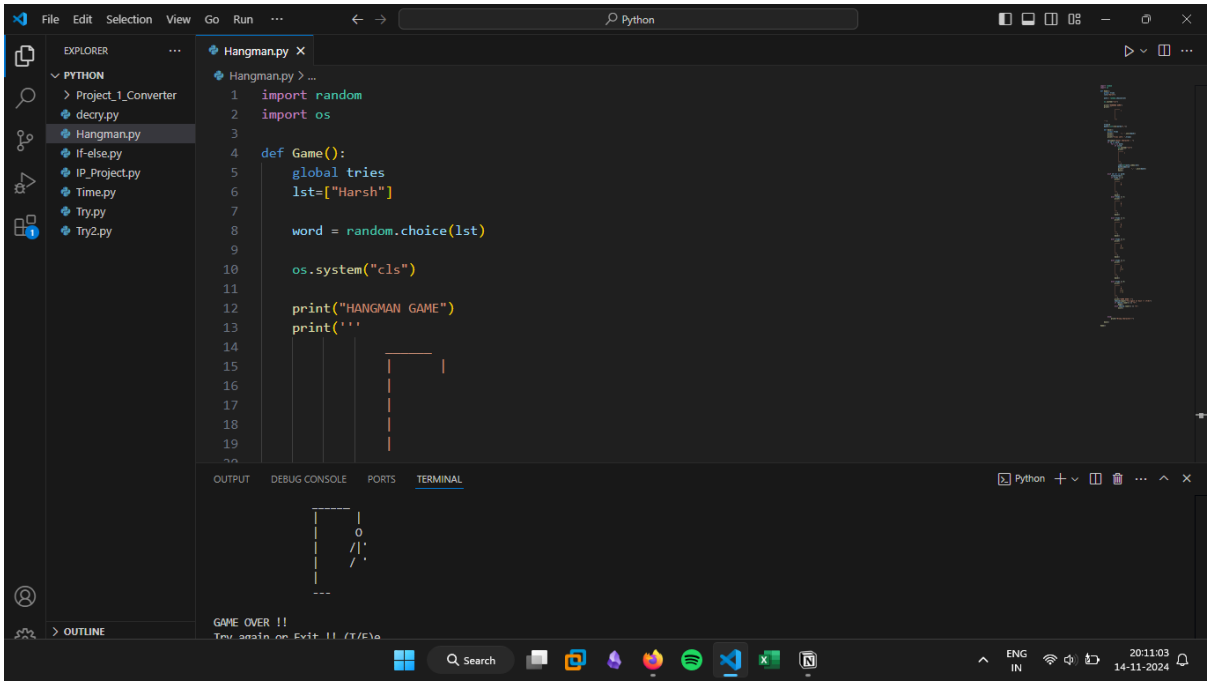
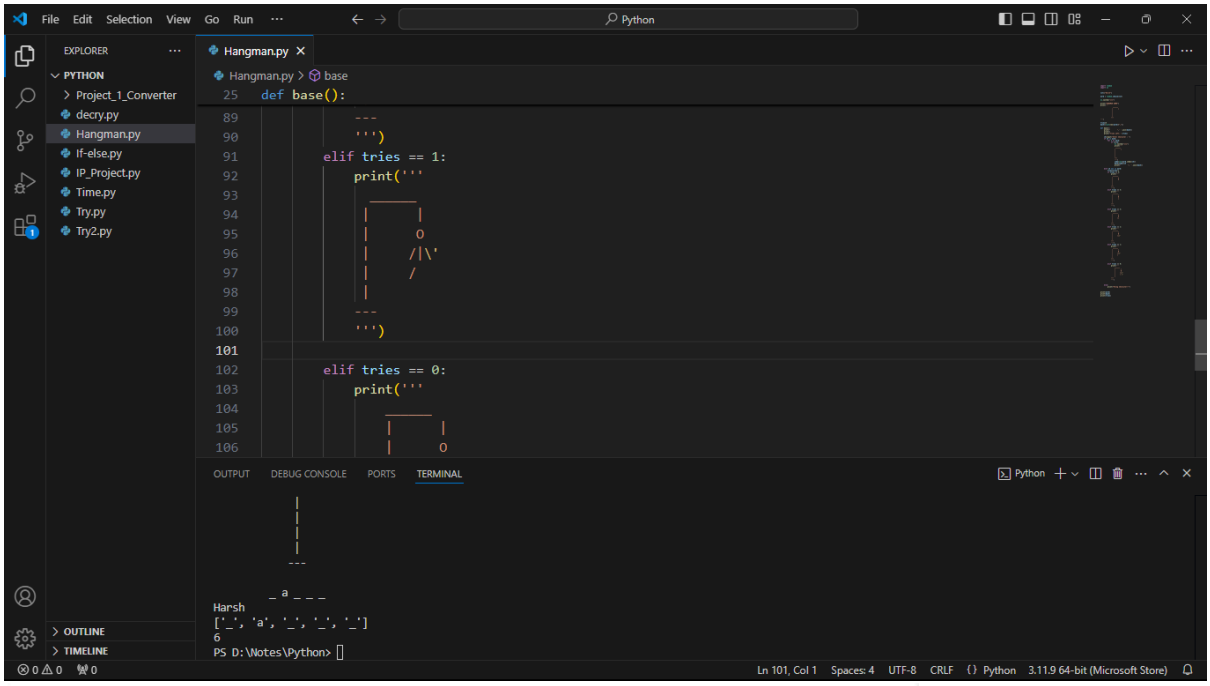
Intermediate Level :





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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.

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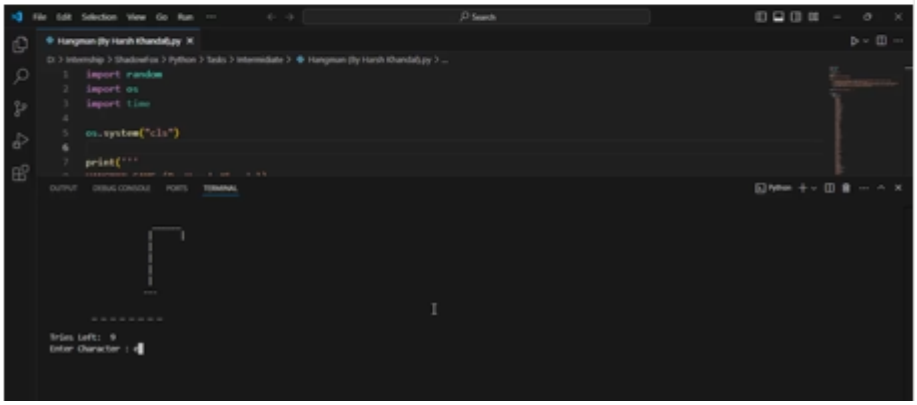
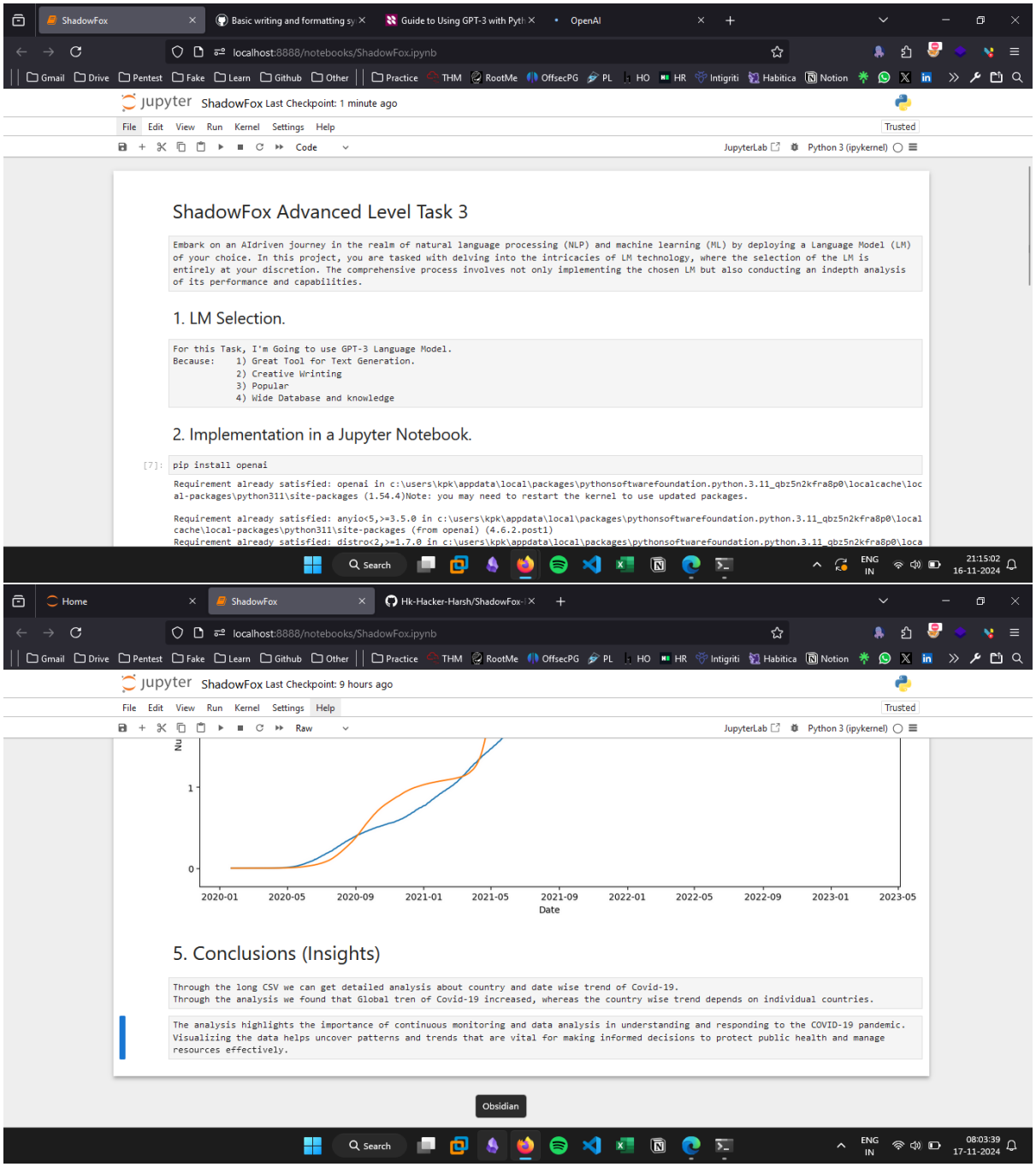
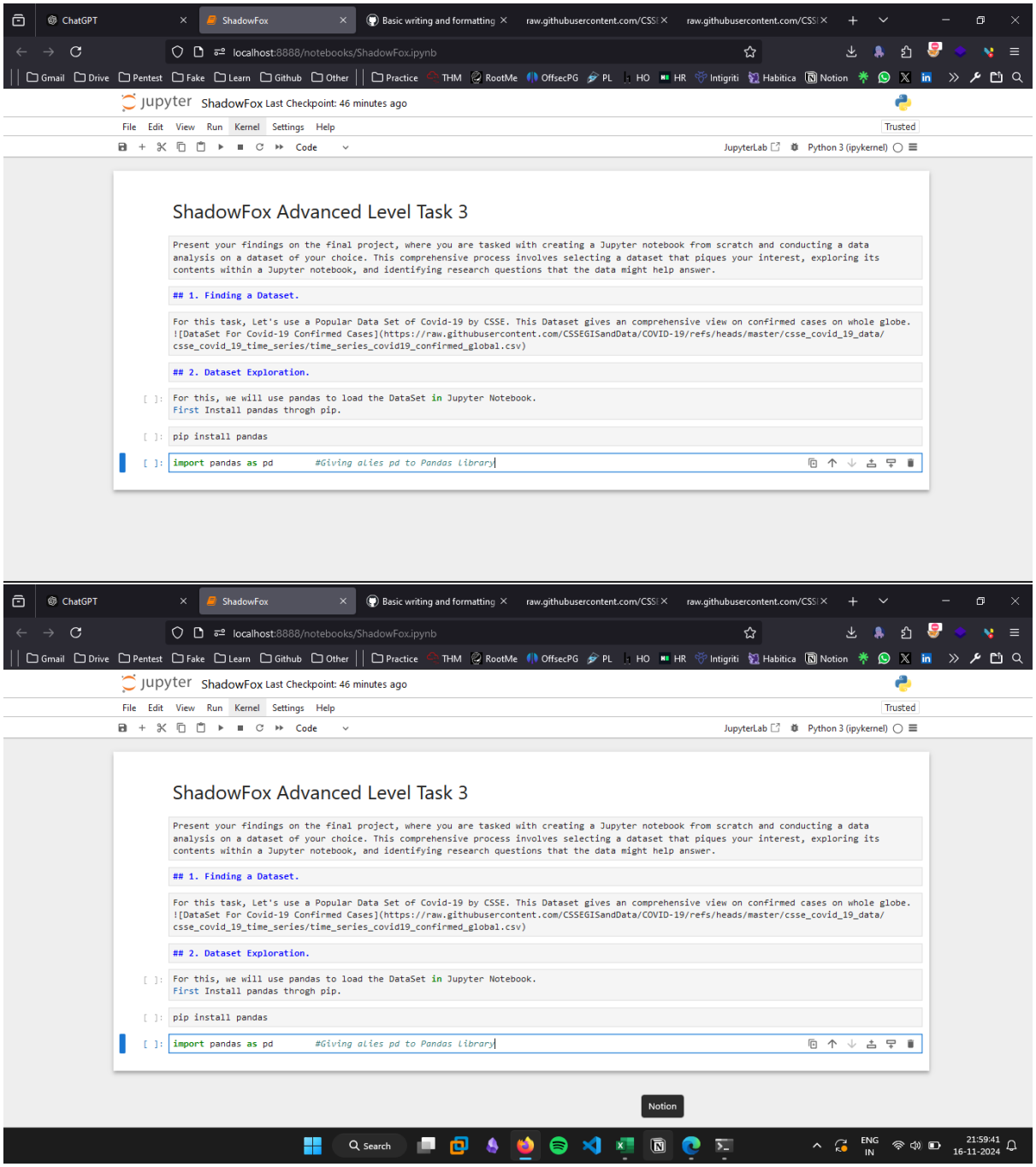
#Internship #CyberSecurity #Python_Development #LearningJourney :



Advanced Level:





ChatGPT
ShadowFox
Basic writing and formatting
raw.githubusercontent.com/CSSI
raw.githubusercontent.com/CSSI
localhost:8888/notebooks/ShadowFox.ipynb
Gmail
Drive
Pentest
Fake
Learn
Github
Other
Practice
THM
RootMe
OffsecPG
PL
HO
HR
Intigriti
Habitica
Notion
jupyter
ShadowFox Last Checkpoint: 46 minutes ago
File
Edit
View
Run
Kernel
Settings
Help
Trusted
Code
JupyterLab
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 throgh pip.
[ ]: pip install pandas
[ ]: import pandas as pd #Giving alies pd to Pandas library

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🌟 Excited to Share My Journey at ShadowFox Company! 🌟

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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.

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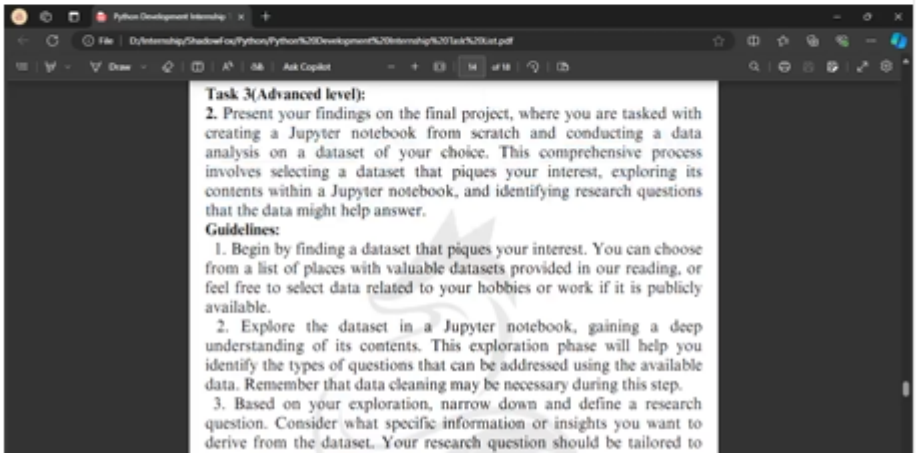
#Internship #CyberSecurity #EthicalHacking #LearningJourney #Shadc



Task 3(Advanced level):

2. 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.

Guidelines:

1. Begin by finding a dataset that piques your interest. You can choose from a list of places with valuable datasets provided in our reading, or feel free to select data related to your hobbies or work if it is publicly available.
2. Explore the dataset in a Jupyter notebook, gaining a deep understanding of its contents. This exploration phase will help you identify the types of questions that can be addressed using the available data. Remember that data cleaning may be necessary during this step.
3. Based on your exploration, narrow down and define a research question. Consider what specific information or insights you want to derive from the dataset. Your research question should be tailored to