Day 30 of DevOps class

Agenda – Create a program using JSON

User need to enter an integer number and print a prime number and not a prime number list a prime number and sum all prime numbers dump into a JSON file

from prime\_number import is\_prime  
import json  
  
n = int(input("Enter a number:"))  
lst = []  
for i in range(-n, n+1):  
 lst.append(i)  
print(lst)  
print(is\_prime)  
  
prm\_num = []  
for j in range(0, len(lst)):  
 n = lst[j]  
 check = is\_prime(n)  
 if check == True:  
 prm\_num.append(n)  
 print(f"{n} is Prime")  
 else:  
 print(f"{n} is not a Prime")  
  
total = sum(prm\_num)  
  
print(prm\_num)  
print(total)  
  
file\_path = 'prmnum.json'  
  
with open(file\_path, 'w') as json\_file:  
 json.dump(prm\_num, json\_file)  
 json\_file.write("\n")

with open(file\_path, 'a') as json\_file:  
 json.dump(total, json\_file)  
  
print(file\_path)