TECHNOHACKS TASK 1:

def celsius\_to\_fahrenheit(celsius):

return (celsius \* 9/5) + 32

def fahrenheit\_to\_celsius(fahrenheit):

return (fahrenheit - 32) \* 5/9

def celsius\_to\_kelvin(celsius):

return celsius + 273.15

def kelvin\_to\_celsius(kelvin):

return kelvin - 273.15

def fahrenheit\_to\_kelvin(fahrenheit):

celsius = fahrenheit\_to\_celsius(fahrenheit)

return celsius\_to\_kelvin(celsius)

def kelvin\_to\_fahrenheit(kelvin):

celsius = kelvin\_to\_celsius(kelvin)

return celsius\_to\_fahrenheit(celsius)

def main():

while True:

print("\nTemperature Converter")

print("1. Celsius to Fahrenheit")

print("2. Fahrenheit to Celsius")

print("3. Celsius to Kelvin")

print("4. Kelvin to Celsius")

print("5. Fahrenheit to Kelvin")

print("6. Kelvin to Fahrenheit")

print("7. Quit")

choice = input("Enter your choice: ")

if choice == '1':

celsius = float(input("Enter temperature in Celsius: "))

print(f"{celsius}°C is {celsius\_to\_fahrenheit(celsius):.2f}°F")

elif choice == '2':

fahrenheit = float(input("Enter temperature in Fahrenheit: "))

print(f"{fahrenheit}°F is {fahrenheit\_to\_celsius(fahrenheit):.2f}°C")

elif choice == '3':

celsius = float(input("Enter temperature in Celsius: "))

print(f"{celsius}°C is {celsius\_to\_kelvin(celsius):.2f}K")

elif choice == '4':

kelvin = float(input("Enter temperature in Kelvin: "))

print(f"{kelvin}K is {kelvin\_to\_celsius(kelvin):.2f}°C")

elif choice == '5':

fahrenheit = float(input("Enter temperature in Fahrenheit: "))

print(f"{fahrenheit}°F is {fahrenheit\_to\_kelvin(fahrenheit):.2f}K")

elif choice == '6':

kelvin = float(input("Enter temperature in Kelvin: "))

print(f"{kelvin}K is {kelvin\_to\_fahrenheit(kelvin):.2f}°F")

elif choice == '7':

print("Goodbye!")

break

else:

print("Invalid choice. Please try again.")

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

main(