**Create a program that converts temperatures between Celsius, Fahrenheit, and Kelvin scales.**

def celsius\_to\_fahrenheit(celsius):

return (celsius \* 9/5) + 32

def celsius\_to\_kelvin(celsius):

return celsius + 273.15

def fahrenheit\_to\_celsius(fahrenheit):

return (fahrenheit - 32) \* 5/9

def fahrenheit\_to\_kelvin(fahrenheit):

return (fahrenheit - 32) \* 5/9 + 273.15

def kelvin\_to\_celsius(kelvin):

return kelvin - 273.15

def kelvin\_to\_fahrenheit(kelvin):

return (kelvin - 273.15) \* 9/5 + 32

def convert\_temperature(value, unit):

if unit == 'C':

fahrenheit = celsius\_to\_fahrenheit(value)

kelvin = celsius\_to\_kelvin(value)

print(f"{value}°C is equivalent to {fahrenheit:.2f}°F and {kelvin:.2f}K.")

elif unit == 'F':

celsius = fahrenheit\_to\_celsius(value)

kelvin = fahrenheit\_to\_kelvin(value)

print(f"{value}°F is equivalent to {celsius:.2f}°C and {kelvin:.2f}K.")

elif unit == 'K':

celsius = kelvin\_to\_celsius(value)

fahrenheit = kelvin\_to\_fahrenheit(value)

print(f"{value}K is equivalent to {celsius:.2f}°C and {fahrenheit:.2f}°F.")

else:

print("Invalid unit of measurement.")

def main():

try:

temperature = float(input("Enter the temperature value: "))

unit = input("Enter the unit of measurement (C for Celsius, F for Fahrenheit, K for Kelvin): ").upper()

convert\_temperature(temperature, unit)

except ValueError:

print("Please enter a valid numerical temperature.")

if \_\_name\_\_ == "\_\_main\_\_"main) 

