

## Mini-Project #2 - Temperature, Speed, and Distance

### Function - convert Celsius to Fahrenheit

```
def temp_convert(celsius):  
    """Convert temperature. Celsius to Fahrenheit."""  
    fahrenheit = (9/5) \* celsius + 32  
    return fahrenheit
```

### Run code

```
if **name** == """main""":  
    # Task 1: Convert temperatures  
    celsius_temp = float(input("Enter the temperature in Celsius:"))  
    fahrenheit_temp = temp_convert(celsius_temp)  
    print(f"The temperature {celsius_temp}°C converted to Fahrenheit is {fahrenheit_temp}°F")  
  
    # Task 2: Calculate time light takes to travel from Sun to Earth  
    speed_of_light = 186000 # miles/second  
    distance_sun_to_earth = 93000000 # miles  
  
    time = distance_sun_to_earth / speed_of_light # seconds  
    print(f"Light takes approximately {time:.2f} seconds to travel from the Sun to Earth.")
```

### References:

“” - Google: Google.com - OpenAI: ChatGPT - Course material - Lecture & Lab notes “”