

Computer Science Coding Task Assignment

Assignment Title:

Temperature Converter Application

Objective

Apply your programming knowledge to solve a real-world problem by designing and implementing a simple temperature converter in Python.

Task Description

1. Design a program that allows the user to:
 - Input a temperature value in Celsius
 - Convert the temperature to Fahrenheit
 - Display the result with an appropriate message
2. Ensure your program:
 - Handles invalid (non-numeric) inputs gracefully
 - Is easy to read and well-commented

Success Criteria

Criterion	Description
Correctness	Program accurately converts Celsius to Fahrenheit
Input Handling	Non-numeric inputs are dealt with appropriately
Code Quality	Code is readable, organized, and commented
User Experience	Instructions and messages are clear

Sample Python Code

```
name = input("Enter your name: ")
try:
    celsius = float(input("Enter temperature in Celsius: "))
    fahrenheit = (celsius * 9/5) + 32
    print(f"{name}, {celsius}°C is equal to {fahrenheit}°F")
except ValueError:
    print("Invalid input! Please enter a numeric value.")
```

Submission Guidelines

- Submit your Python code file (.py) with appropriate comments.
- Include a simple screenshot showing your program running and a sample output.
- Write a short reflection (3-5 sentences) about what you learned in this task.

Deadline

_____ (Instructor to fill)

