

# COSC1100-S24-ClassExercise-Selection/Validation

Created by	sohaib mohiuddin
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Tags	

## Exercise 1: Temperature Converter

Write a program that prompts the user to enter a temperature in Celsius and converts it to Fahrenheit. Use the following formula:

$$F = 9/5C + 32$$

Starter Code:

```
# Temperature Converter

# Get input from the user
celsius = float(input("Enter temperature in Celsius: "))

# Calculate Fahrenheit
fahrenheit = (9 / 5) * celsius + 32

# Display the result
print(f"{celsius:.2f}°C is equivalent to {fahrenheit:.2f}°F")
```

## Exercise 2: Grade Classifier

Write a program that takes a student's score as input (out of 100) and classifies it into letter grades according to the following rules:

- 90 or above: A
- 80-89: B
- 70-79: C
- 60-69: D
- Below 60: F

Starter Code:

```
# Grade Classifier

# Get input from the user
score = int(input("Enter the student's score (out of 100): "))

# Classify the grade
if score >= 90:
    grade = "A"
elif score >= 80:
    grade = "B"
elif score >= 70:
    grade = "C"
elif score >= 60:
    grade = "D"
else:
    grade = "F"

# Display the result
print(f"Student's grade: {grade}")
```