

# Variable Type Detective

With your partner, translate each scenario from Python code and to C#

## Scenario 1: Student Grade Calculator

```
# Python version
student_name = input("Enter student name: ")
midterm = int(input("Midterm score: "))
final = int(input("Final score: "))
average = (midterm + final) / 2
print(f"Student {student_name} has average: {average}")
```

**Your task:** Convert to C# and identify:

- What data type for each variable?
- What happens with the division?
- How to handle user input?

## Scenario 2: Circle Calculator

```
# Python version
radius = float(input("Enter radius: "))
pi = 3.14159
area = pi * radius * radius
print(f"Area is: {area}")
```

## Your task:

- Choose appropriate numeric types
- Consider precision requirements
- Handle the formula correctly