

## Assignment-1

### Type Conversion & Casting (Value Types Only)

#### Q1. Implicit Numeric Conversion

Write a C# program to:

- Declare an int variable
- Assign it to a long variable using **implicit conversion**
- Display both values

#### Q2. Explicit Numeric Casting

Write a program that:

- Converts a double value to int using **explicit casting**
- Displays both original and converted values

#### Q3. Widening Conversion

Write a program to convert:

- byte → int → long → double
- Display values at each stage

#### Q4. Narrowing Conversion

Write a program to convert:

- double → int → short
- Use explicit casting and display results

#### Q5. Decimal to Integer Conversion

Write a program that:

- Converts a decimal value to int
- Shows the effect of data loss during conversion

#### Q6. Char to Integer Conversion

Write a program that:

- Converts a char value to int
- Displays the ASCII/Unicode value

### **Q7. Integer to Char Conversion**

Write a program that:

- Converts an int value to char
- Displays the corresponding character

### **Q8. String to Value Type using Parse**

Write a program that:

Accepts a numeric string

Converts it to int using `int.Parse()`

### **Q9. String to Value Type using TryParse**

Write a program that:

- Accepts user input
- Converts it to double using `double.TryParse()`
- Displays success or failure message

### **Q10. Boolean Conversion**

Write a program that:

- Converts a string value "true" or "false" to bool
- Displays the converted result