

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