Type Casting

Definitions:

Type Casting!

converting one data type unto another.

Example: byte b= (byte)(a): where a is int.

Unitade and ASCII:

Unicade is a universal character cencocling. Standard

ASCII is a Subset of univode representing characters with mumerical Values.

Ex: int num = 'A';

Mixed Data Types in Expressions:

when different data types are used in an compression the result is promoted to the largest data type.

Ex: double res = [f* b2)+(i/c1)-(d* 12);
Algorithm:

1. Pritialize Scanner!

Create a Scanner object marmed in to oceand input from the user.

2. Type casting and Errors:

Attempt to initialize an intvariable with a float value.

con unt using type casting and modulo operation.

3. Pruithmetic Operations with Type Casting!

Perform multiplication and division on byte Values and Store the result in it.

4. Unicode and ASCII Value:

Enitialize can int with a character to get its

5. Mixed Arithmetic Operations! Perform multiplication of am into word a double to get a double result.

6. Lomplex Expression: Combine various data type in an auithmetic expression and extore the vesselt in double.