Type Casting

Data Type size

1 byte = 8 bits

byte	1 byte
short	2 bytes
Int	4 bytes
long	8 bytes
float	4 bytes
double	8 bytes
decimal	16 bytes
bool	1 bit
char	2 bytes
string	2 bytes per character

Type Casting

Implicit Casting: converting a smaller type to a larger type

Explicit Casting: converting a larger type to a smaller type, there might be data loss during explicit casting

String Parsing

String to Int - int.Parse(<string>); or Convert.ToInt32(<string>);

String to Float - float.Parse(<string>); or Convert.ToSingle(<string>);

String TryParse

String to Int - int.TryParse(<string>, out int a);

String to Float - float.TryParse(<string>, out float f);

Any type to String

Int to String - <string> + <int> or <int>.ToString();

Float to String - <string> + <float> or <float>.ToString();