

C# Methods Cheat Sheet

String Methods

| Method | Example | Output |
|-----------------------|--------------------------|--------|
| ToUpper() | "hello".ToUpper() | HELLO |
| ToLower() | "HELLO".ToLower() | hello |
| Trim() | " hi ".Trim() | hi |
| Substring(start, len) | "Hello".Substring(1,3) | ell |
| Replace(a,b) | "cat".Replace("c","b") | bat |
| Contains(x) | "text".Contains("ex") | True |
| StartsWith(x) | "Hello".StartsWith("He") | True |
| EndsWith(x) | "Hello".EndsWith("lo") | True |
| Split(' ') | "a b c".Split(' ')[1] | b |
| Length | "Hello".Length | 5 |
| IndexOf(x) | "Hello".IndexOf("o") | 4 |
| Remove(start, count) | "Hello".Remove(1,2) | Ho |

Math Methods

| Method | Example | Output |
|-----------------|-----------------------|--------|
| Math.Round(x,2) | Math.Round(12.3456,2) | 12.35 |
| Math.Floor(x) | Math.Floor(12.9) | 12 |
| Math.Ceiling(x) | Math.Ceiling(12.1) | 13 |
| Math.Abs(x) | Math.Abs(-5) | 5 |
| Math.Pow(a,b) | Math.Pow(2,3) | 8 |
| Math.Sqrt(x) | Math.Sqrt(16) | 4 |
| Math.Max(a,b) | Math.Max(10,20) | 20 |
| Math.Min(a,b) | Math.Min(10,20) | 10 |
| Math.Sign(x) | Math.Sign(-42) | -1 |

DateTime Methods

| Method | Example | Output |
|--------|---------|--------|
|--------|---------|--------|

| | | |
|----------------|----------------------------|---------------------|
| DateTime.Now | DateTime.Now | 2025-09-11 22:15:30 |
| DateTime.Today | DateTime.Today | 2025-09-11 00:00:00 |
| AddDays(n) | now.AddDays(5) | adds 5 days |
| AddYears(n) | now.AddYears(-1) | subtracts 1 year |
| Day | now.Day | 11 |
| Month | now.Month | 9 |
| Year | now.Year | 2025 |
| DayOfWeek | now.DayOfWeek | Thursday |
| ToString(fmt) | now.ToString("yyyy-MM-dd") | 2025-09-11 |

Boolean Methods

| Method | Example | Output |
|---------------|--------------------|--------|
| ToString() | true.ToString() | "True" |
| Equals(value) | true.Equals(false) | False |

Common Object Methods

| Method | Example | Output |
|-------------|-------------------|---------------|
| ToString() | 123.ToString() | "123" |
| GetType() | "hi".GetType() | System.String |
| Equals(obj) | "hi".Equals("hi") | True |