Cheat Sheets

Measuring Time

|  |  |  |  |
| --- | --- | --- | --- |
| Unit | Symbol | Description | Detail |
| **Millisecond** | m | One thousandth of a second |  |
| **Microsecond** | μ | One millionth of a second |  |
| **Nanosecond** | n | On billionth of a second |  |

Measuring Space

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Unit | Power (2) | Power 10 (~) | Approximate | Exact |
| **Kilo** | 10 | 3 | 1,000 |  |
| **Mega** | 20 | 6 | 1,000,000 | 1,048,576 |
| **Giga** | 30 | 9 | 1,000,000,000 | 1,073,341,82 |
| **Tera** | 40 | 12 | 1,000,000,000,000 | 1,099,511,627,776 |

Integer Types

|  |  |  |  |
| --- | --- | --- | --- |
| Type | Size (Bytes) | Min | Max |
| **Unsigned Integer** | 4 | 0 |  |
| **Unsigned Integer** | 8 | 0 |  |
| **Signed Integer** | 4 |  |  |
| **Signed Integer** | 8 |  |  |

Char Encoding Point Types

|  |  |
| --- | --- |
| Encoding | Size (Bytes) |
| **ASCII** | 1 |
| **UTF-8** | 1-4 |
| **UTF-16** | 2-4 |

Floating Point Types