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|  | Francesco Cavallini  Matricola: 920835  f.cavallini8@campus.unimib.it  Corso di studi di Informatica Magistrale |
| Università degli studi Milano Bicocca  Milano, Padiglione U24  Ottobre, 2024 |  |

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| Easy Matrix  Metodi del Calcolo Scientifico  Relazione Progetto 1-Bis  Dear Taylor Phillips,  Write the body of your letter here. To update any of the letter's information, select the text, and start typing.  Want to change fonts? Go to the Home tab and choose Fonts. You can use a built-in font combination or select one of your own.  You can also change the colors of the template to match your personal taste. Go to the Design tab and choose a color palette from the Colors menu. Hovering over the different palettes will show you what your document would look like with the new palette.  To change the color or font formatting back to the original settings, go to the Design tab, and select the Theme menu. From there, choose the option to reset the original template theme.  Warm Regards,  Riferimenti | |
| Pagina git-hub: | https://github.com/VR3ED/Easy\_Matrix |
| Download libreria: |  |

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# 0. Introduzione

## 0.1. Obbiettivi

## 0.2. Scelte implementative

Si sceglie di usare il linguaggio C# utilizzando il framework .Net 8.0 per i seguenti motivi:

* **Facilità di pubblicazione libreria:**

Microsoft offre la possibilità di pubblicare gratuitamente la propria libreria sviluppata usando il linguaggio C# sulla piattaforma [NuGet](https://www.nuget.org/). Da questa piattaforma la suddetta libreria potrà venire scaricata, incorporata ed utilizzata in qualsiasi progetto tramite un semplice click.

* **Gestione alta precisione:**  
  Il linguaggio C# permette la gestione dei numeri a virgola mobile con il tipo decimal. Il tipo decimal, seppure permetta di rappresentare solo numeri più piccoli, ha la massima precisione tra i tre tipi a virgola mobile:

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| --- | --- | --- |
| **C# type/keyword** | **Approximate range** | **Precision** |
| *float* | ±1.5 x 10−45 to ±3.4 x 1038 | ~6-9 digits |
| *double* | ±5.0 × 10−324 to ±1.7 × 10308 | ~15-17 digits |
| *decimal* |  | ~28-29 digits |

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|  | VanArsdel, Ltd. |
| Taylor Phillips  5678 Main St  New York, NY 90210  September 16, 20XX |  |

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| www.vanarsdelltd.com | jordan@vanarsdelltd.com |

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