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Assignment 2

Due: Oct 28th 2025

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Human Genome

- String genomeName
- int number of genes
- int number of Chromosomes
- double number of Cells Trillions

+ print() -> void
↳ prints all vars w/ units

Constructors

+ HumanGenome(String, int, int, double)

+ HumanGenome()

Getters & Setters

+ getGenomeName() -> Str

+ getNumber of Genes() -> int

+ getNumber of Chromosomes() -> int

+ getNumber of Cells Trillions() -> dbl

+ setGenomeName(String)

+ setNumber of Genes(int)

+ setNumber of Chromosomes(int)

+ setNumber of Cells Trillions(double)

Part 1

Association



Genome Input

+ static main(String[])
↳ calls input for 3 genomes
& prints them

+ input(Scanner) -> HumanGenome
↳ User Input, create class and return

Constructors

+ HumanGenome()

+ print()