Ayan Syed

F25 CIS DO351A 114, 622

Assignment 2

Due: Oct 26th 2025

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Human Genome

Part 1

Association

- String genomeName
- int number of Genes
- int number of Chromosomes
- double numberof Cells Trillions

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

Constructors

+ Human Genome (String, int, int, double)

+ Human Genome ()

Getters & Setters

+ get Genome Name () -> Str
+ get Number of Genes() -> int
+ get Number of Chromosomes () -> int
+ get Number of Cells Trillions () -> dbl

+ set Genome Name (String)
+ set Number of Genes (int)
+ set Number of Chromosomes (int)
+ set Number of Cells Trillions (double)

Genome Input

+ static main (String[])
  ↳ calls input for 3 Genomes
      & prints them
+ input (Scanner) -> Human Genome
  ↳ User Input, create class and return

Constructors

+ Human Genome ()

+ print()