

Test program (26-09-2001)

Task: Write program to find amount of energy released by quantity of matter, given it's mass. Use object-centered design.

- a. How should program behave
- b. What object we have
- c. What operations are necessary
- d. Design algorithm
- e. Code program

Note: Einstein's equation

$$E = m * c^2$$

Where m is mass, c is speed of light constant (2.997925e8 meters/second) and E is energy produced.

Note2: To compute power of x, you can use function `pow(x,2)`, to make sure input is correct, use `assert(expression)`. For example `assert(number >0);`