

## 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.

```
#include <iostream.h>
#include <assert.h>
#include <math.h>

int main()
{
    double mass, E;
    const double speed = 2.997925e8;

    cout << "Please enter mass in kilograms: ";
    cin >> mass;
    assert(mass>0);
    E = mass * pow(speed,2);
    cout << "Energy will be : " << E << endl;
    return 0;
}
```