Using Google Test complete next tasks

**Tasks**

1. Cover next method with tests.

int GetProductsAmount(std::vector<int> prices, int amountOfMoney)

{

std::sort(prices.begin(), prices.end());

int sum = 0;

for (size\_t i = 0; i < prices.size(); ++i)

{

sum += prices[i];

if (sum > amountOfMoney)

{

return i;

}

}

return prices.size();

}

2. Implement method IsLeapYear described below and cover it with tests (You can try TDD here)

Given a year, report if it is a leap year.

The tricky thing here is that a leap year in the Gregorian calendar occurs:

on every year that is evenly divisible by 4

except every year that is evenly divisible by 100

unless the year is also evenly divisible by 400

For example, 1997 is not a leap year, but 1996 is. 1900 is not a leap year, but 2000 is.