362. Design Hit Counter

class HitCounter {

multiset<int> hitscounter;

public:

/\*\* Initialize your data structure here. \*/

HitCounter() {

}

void hit(int timestamp) {

hitscounter.insert(timestamp);

}

/\*\* Return the number of hits in the past 5 minutes.

@param timestamp - The current timestamp (in seconds granularity). \*/

int getHits(int timestamp) {

auto pos = hitscounter.upper\_bound(timestamp-300);

//returns an iterator to the first element greater than the given key

hitscounter.erase(hitscounter.begin(), pos);

return hitscounter.size();

}

};