set\_ex1

[namespace]

std

[library]

<set>

[code]

#include <iostream>

#include <set>

using namespace std;

bool fncomp (int lhs, int rhs) {return lhs<rhs;}

struct classcomp

{

bool operator() (const int& lhs, const int& rhs) const

{

return lhs<rhs;

}

};

int main ()

{

std::set<int> first; // empty set of ints

int myints[]= {10,20,30,40,50};

std::set<int> second (myints,myints+5); // range

std::set<int> third (second); // a copy of second

std::set<int> fourth (second.begin(), second.end()); // iterator ctor.

std::set<int,classcomp> fifth; // class as Compare

bool(\*fn\_pt)(int,int) = fncomp;

std::set<int,bool(\*)(int,int)> sixth (fn\_pt); // function pointer as Compare

return 0;

}

[result]

Don’t produce any output

But it constructs the set using different ways.

More details, see the following link.

[ref]

<https://cplusplus.com/reference/queue/priority_queue/priority_queue/>