Map

Function	Explanation	Syntax	Complexity
1) begin	iterator to the first element	mp.begin()	O(1)
2) end	iterator to the element after the last	mp.end()	O(1)
3) –end	iterator to the last element	–mp.end()	O(1)
4) insert	insert an element into the map	mp.insert({25,rahim}) or mp[25]=rahim	O(log n)
5) erase	remove an element which is binded with that key	mp.erase(25)	O(log n)
6) find	find an element on the basis of key	mp.find(25)	O(log n)
7) size	get the number of elements of the map	mp.size()	O(1)
8) empty	check if the map is empty	mp.empty()	O(1)
9) clear	remove all the elements from the map	mp.clear()	O(n)
10) lower_bound	get an iterator to the first element which is greater or equal to x	mp.lower_bound(x)	O(log n)
11) upper_bound	get an iterator to the first element which is strictly greater than x	mp.upper_bound(x)	O(log n)