Map -

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```
map<string, int> m              declaring map with string type key and int value
map<string, int> m = {          map with some default value
    { "alpha" , 0},
    {"beta" , 1},
    {"gamma" , 2}
    };

m.at("alpha") = 10              updating value at key alpha ( key must be present)
M["first"] = 1                  assigning or updating new key value pair
m.insert(m.begin(),pair<string,int>("fourth",4));        inserting key value pair


m.size()                        returns the number of item in map
m.clear()                       clears all the key value pair
m.count(key)                    returns 1 if key is present else 0
m.empty()                       returns true if m is empty
m.erase(key)                    deletes the mentioned key and value
m.erase(m.begin(),m.end())      deletes all the key-value pair
m.find(key)                     search for the key if key is not found then return m.end()


for(auto &it : m)               iterator to print all values from the map
    Cout<<it.first<< " : "<<it.second<<endl;

for(auto it=m.begin();it!=m.end();it++)        iterator on map
    cout<<(*it).first<<" - "<<(*it).second<<endl;
```