Declaration

Map<Integer, String> map = new HashMap<>();

Methods

map.get(key) - Return value

map.put(key,value) - Insert Key-Value

map.containsKey(key) - Returns Boolean

map.size()- Returns Size

map.clear() - Clear Map(key-values)

Output

System.out.println(map); - {a=1,b=2}

System.out.println(map.entrySet().toString()); - [a=1, b=2]

Traversal

1) Using entrySet():

for(Map.Entry<Integer, String> val : map.entrySet()) {

System.out.println(val.getKey() + " : " + val.getValue());

}

2) Using forEach:

map.forEach((key, value) -> System.out.println(key + " : " + value));

3) Using Iterator:

Iterator<Map.Entry<Integer, String> > itr = map.entrySet().iterator();

while (itr.hasNext()) { System.out.println(itr.next()); }

4) Using Stream API:

map.entrySet().stream().forEach(val ->

System.out.println(val.getKey() + " : " + val.getValue()));