

### 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()));
```



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