Cheatography

HashMap Cheat Sheet

by AbhishekJain via cheatography.com/141294/cs/30251/

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()));
```

By **AbhishekJain**

cheatography.com/abhishekjain/

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