

HASH SET

@thriv^{er}ashish (ASHISH GUPTA)

```
Set < String > mySet = new HashSet < String > ();
```

Integer or etc

HashSet internally uses HashMap.

↓
Value

(Key, Value)

→ it stores unique values and no Duplicates

```
mySet.add("Ashish")
```

Stored as Key in HashMap.

```
private transient HashMap < E, Object > map ;
```

generic

Always bc of Object type.

```
private static final Object PRESENT = new Object();
```

Stored against each and every key.

treated as Value in HashSet.

```
mySet.add("thriverashish")
```

Key in HM but treated as Value in HS

thriv ^{er} ashish	<u>PRESENT</u>
hash code.	<u>null</u>

Important

```
public boolean add(E e) {
```

```
    return map.put(e, PRESENT) == null;
```

```
}
```

1st time.

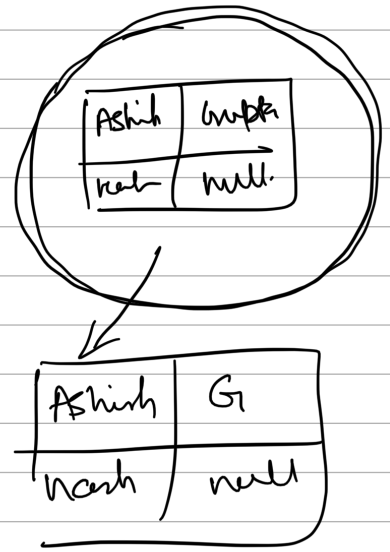
map.put("Ashish", "Gupta");

2nd time

map.put("Ashish", "G");

return

Gupta



```
public boolean contains(Object o) {
```

```
    return map.containsKey(o);
```

```
}
```

@thriverrashish

↳ insta
twitter
linkedin }