A Jini™ entry provides a way to store a collection of related objects in a way amenable to simple exact-match searches. When designing entries, certain tasks are commonly done in similar ways. This specification defines a utility class for such common tasks.
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Entry Utilities

Entries are designed to be used in distributed algorithms for which exact-match lookup semantics are useful. An entry is a typed set of objects, each of which may be tested for exact match with a template. The details of entries and their semantics are discussed in the Jini Entry Specification.

When designing entries, certain tasks are commonly done in similar ways. This specification defines a utility class for such common tasks.

1.1 AbstractEntry

The class net.jini.entry.AbstractEntry is a specific implementation of Entry that provides useful implementations of equals, hashCode, and toString:

```java
package net.jini.entry;
public abstract class AbstractEntry implements Entry {
    public boolean equals(Object o) {…}
    public int hashCode() {…}
    public String toString() {…}
    public static boolean equals(Entry e1, Entry e2) {…}
    public static int hashCode(Entry entry) {…}
    public static String toString(Entry entry) {…}
}
```

The static method AbstractEntry.equals returns true if and only if the two entries are of the same class and for each field \( F \) the two objects’ values for \( F \) are either both null, or the invocation of equals on one object’s value for \( F \) with the other object’s value for \( F \) as its parameter returns true. The static
method `hashCode` returns zero XOR the `hashCode` invoked on each non-null field of the entry. The static method `toString` returns a string that contains each field’s name and value. The non-static methods `equals`, `hashCode`, and `toString` return a result equivalent to invoking the corresponding static method with `this` as the first argument.

### 1.2 Serialized Form

The `serialVersionUID` of `AbstractEntry` is 5071868345060424804L. There are no serialized fields.