

```

import java.util.Hashtable;

public interface ITransaction {

    public Object get(String key) throws
    TransactionNotValidException;

    public ITransaction put(String key, Integer data) throws
    TransactionNotValidException;

    public ITransaction put(String key, Double data) throws
    TransactionNotValidException;

    public ITransaction put(String key, String data) throws
    TransactionNotValidException;

    public ITransaction put(String key, ArrayFormat data) throws
    TransactionNotValidException;

    public ITransaction put(String key, ObjectFormat data)
    throws TransactionNotValidException;

    public int getInt(String key) throws
    DataTypeMismatchException, TransactionNotValidException;

    public double getDouble(String key) throws
    DataTypeMismatchException, TransactionNotValidException;

    public ArrayFormat getArray(String key) throws
    DataTypeMismatchException, TransactionNotValidException;

    public String getString(String key) throws
    DataTypeMismatchException, TransactionNotValidException;

    public ObjectFormat getObject(String key) throws
    DataTypeMismatchException, TransactionNotValidException;

    public Object delete(String key) throws
    TransactionNotValidException;

    public boolean modify(String key, Integer data) throws
    TransactionNotValidException;

    public boolean modify(String key, Double data) throws
    TransactionNotValidException;

    public boolean modify(String key, String data) throws
    TransactionNotValidException;

    public boolean modify(String key, ArrayFormat data) throws
    TransactionNotValidException;
}

```

```
    public boolean modify(String key, ObjectFormat data) throws
TransactionNotValidException;

    public Hashtable<String, Object> data();

    public boolean commit() throws TransactionNotValidException;

    public boolean abort() throws TransactionNotValidException;

    public boolean isActive() throws
TransactionNotValidException;
}
```