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import java.io.IOException;
import org.apache.hadoop.conf.Configuration;
import org.apache.hadoop.hbase.HBaseConfiguration;
import org.apache.hadoop.hbase.client.Get;
import org.apache.hadoop.hbase.client.HTable;
import org.apache.hadoop.hbase.client.Result;
import org.apache.hadoop.hbase.util.Bytes;

public class accessHbasePk{

    public static void main(String[] args) throws IOException, Exception{

        //Instantiating Configuration class
        Configuration config = HBaseConfiguration.create();

        //Instantiating HTable class
        HTable table = new HTable(config, "TRANSACTIONS");

        //Instantiating Get class
        Get g = new Get(Bytes.toBytes("108"));

        //Reading the data
        Result result = table.get(g);

        //Reading values from Result class object
        byte [] name = result.getValue(Bytes.toBytes("details"),Bytes.toBytes("name"));

        byte [] txn = result.getValue(Bytes.toBytes("details"),Bytes.toBytes("txn_count"));

        //Printing the values
        String user = Bytes.toString(name);
        String count = Bytes.toString(txn);

        System.out.println("Customer Name: " + user + " ,Number of transactions: " + count);
    }
}

```

```

import org.apache.hadoop.hbase.HBaseConfiguration;
import org.apache.hadoop.hbase.client.HTable;
import org.apache.hadoop.hbase.client.Result;
import org.apache.hadoop.hbase.client.ResultScanner;
import org.apache.hadoop.hbase.client.Scan;
import org.apache.hadoop.hbase.io.ImmutableBytesWritable;
import org.apache.hadoop.hbase.util.Bytes;

```

```

public class scanTxnCount {

    public static void main(String[] args) throws Exception {

        //Instantiating Configuration class
        HBaseConfiguration conf = new HBaseConfiguration();

        //Instantiating HTable class
        HTable htable = new HTable(conf, "TRANSACTIONS");

        //Instantiating the Scan class
        Scan scan = new Scan();

        //Getting the scan result by performing a table scan
        ResultScanner scanner = htable.getScanner(scan);
        Result r;

        //Iterating through each record using a while Loop
        while ((r = scanner.next()) != null) {

            //Assign row values in variable userId
            String userId = Bytes.toString(r.getRow());
            //Assign column username values in name
            String name = Bytes.toString(r.getValue("details".getBytes(), "name".getBytes()));
            //Assign column txn_count values in count
            String count = Bytes.toString(r.getValue(Bytes.toBytes("details"), Bytes.toBytes("txn_count")));

            System.out.println("RowKey: " + userId+ ", User Name: "+name+", Count: " + count);
        }

        //closing the scanner
        scanner.close();
        htable.close();
    }
}

```