Java Essentials Module 3 Case Study 1

Please use the jar file to test the program.

Command: java -jar Module1CaseStudy2.jar

# BankInterestRates Class:

**public** **class** BankInterestRates {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

HSBC hsbc = **new** HSBC();

Barclays barclays = **new** Barclays();

Santander santander = **new** Santander();

RBS rbs = **new** RBS();

System.***out***.println("Bank Interest Rates: ");

System.***out***.println(hsbc.getName() + " APR = " + hsbc.RateOfInterest() + "%");

System.***out***.println(barclays.getName() + " APR = " + barclays.RateOfInterest() + "%");

System.***out***.println(santander.getName() + " APR = " + santander.RateOfInterest() + "%");

System.***out***.println(rbs.getName() + " APR = " + rbs.RateOfInterest() + "%");

}

}

# Barclays Class:

**public** **class** Barclays {

String name = "Barclays";

**float** rateOfInterest = 3.3f;

**public** String getName () {

**return** name;

}

**public** **float** RateOfInterest() {

**return** rateOfInterest;

}

# }

# RBS Class:

**public** **class** RBS **extends** Bank{

String name = "RBS";

**float** rateOfInterest = 4.1f;

**public** String getName () {

**return** name;

}

**public** **float** RateOfInterest() {

**return** rateOfInterest;

}

}

# Santander Class:

# HSBC Class:

**public** **class** HSBC {

String name = "HSBC";

**float** rateOfInterest = 3.5f;

**public** String getName () {

**return** name;

}

**public** **float** RateOfInterest() {

**return** rateOfInterest;

}

# }

# Santander Class:

**public** **class** Santander {

String name = "Santander";

**float** rateOfInterest = 3.9f;

**public** String getName () {

**return** name;

}

**public** **float** RateOfInterest() {

**return** rateOfInterest;

}

}

# Output:

Bank Interest Rates:

HSBC APR = 3.5%

Barclays APR = 3.3%

Santander APR = 3.9%

RBS APR = 4.1%