Name

Skill 25.2: Exercise 1		
Declare a class called BankAccount. Then declare another class called SavingsAccount which inherits		
BankAccount.		
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Skill 25.3: Exercise 1		
(a) Write the BankAccount constructor. The constructor should accept two parameters (A double which represents a balance, and a Sting which represents a name). The parameters should be assigned to private		
variables balance and name.	name). The parameters should be assigned to private	
(b) Write the SavingsAccount constructor. The construction	ctor should include the necessary parameters to invoke	
	a third parameter which represents the interest rate. The	
interest rate parameter should be assigned to the private variable interestRate;		
private double balance;	private double interestRate;	
private String name;		
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Period

Name _____Period ____

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Skill 25.4: Exercise 1

The methods below exist in the BankAccount class. The addInterest method in the savings account class, calculates the interest earned, then deposits the interest in the bank account. Complete the addInterest method.

/* Returns the balance in the bank account */
public double getBalance() {
    return balance;
}

/* deposits money in the bank account */
public void deposit(double d) {
    deposit += d;
}

Public void addInterest() {
```

Skill 25.5: Exercise 1		
Consider the following classes and declarations. Indicate whether each declaration is legal or illegal		
Class declarations	Call in main method	Legal/Illegal
class Bicycle{	<pre>(a) Bicycle myBike1 = new Bicycle();</pre>	
//some code		
}	(b)Bicycle myBike2 = new	
	<pre>DownhillBike();</pre>	
Class MountainBike extends		
Bicycle{	(c)MountainBike myBike3 = new	
//some code	DownhillBike();	
}		
	(d)MountainBike myBike4 = new	
Class DownhillBike extends	Bicycle();	
MountainBike{		
//some code	(e)DownhillBike myBike5 = new	
1	CrossCountryBike();	
Class CrossCountryBike extends		
MountainBike{	<pre>(f) CrossCountryBike() myBike6 = new</pre>	
//some code	<pre>MountainBike();</pre>	
}		