Name	Period
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Skill 25.1: Exercise 1					
The MyCar class below extends the Car class. For each line of code indicated with a letter $(A - E)$, indicate					
whether the statement is valid or invalid. If it is invalid, indicate why.					
public abstract class Car{		public class MyCar extends Car{			
		<pre>public static void main(String args[]){</pre>			
private int year = 2015;			(D)		
private String model = "Landcruiser";		Car newCar = Car();	(D)		
<pre>public abstract String getMake();</pre>	(A)	public String getMake(){ return "Toyota";	(E)		
<pre>public abstract int getYear(){</pre>		}	()		
return year;	(B)	}			
}					
<pre>public String model(){ return model; }</pre>	(C)				
(A)					
(B)					
(C)					
(D)					
(E)					
Chill 25 2. Evonoico 1					

- (a) Declare an abstract class Insect. Then declare another class called Bee which inherits Insect, then write a main method.
- (b) Declare a method in the Insect class called getLegs(), which returns the number of legs as an int.
- (c) Declare a Boolean abstract method in the Insect class called canFly()
- (d) In the Bee class, call the getLegs method

(e)	In the R	ee class	implement	and call the	canFly methor	Λd
e)	in the b	ee ciass.	mmbiemem	and can the	canriv meun	OU

Name	Period
Skill 25.3: Exercise 1	
(a) Declare an interface called Animal	
(b) Declare a class called Ant that implements Animal	
•	
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Skill 25.4: Exercise 1	
Consider the vehicle interface below. The Car and Bike of	classes implement the Vehicle interface. Write the Car
and Vehicle classes.	•
Public interface Vehicle {	
Fublic interlace venicle {	
<pre>// all are the abstract methods.</pre>	
<pre>void changeGear(int a);</pre>	
<pre>void speedUp(int a);</pre>	
<pre>void applyBrakes(int a);</pre>	
}	