Assignment Question

The Interface defines a rule that any classes that implement it should override all the methods. Let's implement Interface in our application.

Create an interface Airfare with the following method

Create a class AirIndia which implements Airfare interface with the following private attributes

Create default constructor and a parameterized constructor.

Include appropriate getters and setters.

Include following methods

Create a class KingFisher which implements Airfare interface with following private attributes

Create default constructor and a parameterized constructor.

Include appropriate getters and setters.

Include following methods

Create a class Indigo which implements Airfare interface with following private

attributes

Create default constructor and a parameterized constructor.

Include appropriate getters and setters.

Include following methods

Method	Description
Double calculateAmount()	Declare the display method

Assignment Question

AirIndia

Attributes	Data Types
hours	Integer
costPerHour	Double

Method	Description
Double calculateAmount()	Return the product of hours and costPerHour.

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Indigo

Attributes	Data Types
hours	Integer
costPerHour	Double

Method	Description
Double calculateAmount()	Return the product of hours and costPerHour and 8.

For KingFisher class multiply the amount by 4 and for Indigo class multiply the product by 8.

Create a driver class called Main to test the above classes.

Round off the double value to 2 decimal places.

Note:

Strictly adhere to the Object-Oriented Specifications given in the problem statement.All class names, attribute names and method names should be the same as specified in the problem statement.

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Input Format

The first line of the input is the choice.

1 for AirIndia,

2 for KingFisher and

3 for Indigo.

The second line of the input consists of the hours of travel.

The third line of the input consists of the CostPerHour.

Output Format

The output prints the total amount. Refer sample input and output.

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Sample Input	Sample Output
1 5 5400	27000.00
2 8 2500	80000.00
3 2 4800	76800.00