**Calculate Reward Points**

ABC Bank announced a new scheme of reward points for a transaction using an ATM card. Each transaction using the normal card will be provided by 1% of the transaction amount as reward point. If a transaction is made using a premium card and it is for fuel expenses, additional 10 points will be rewarded. Help the bank to calculate the total reward points.

**[Note :  Strictly adhere to the object-oriented specifications given as a part of the problem statement.  
Follow the naming conventions as mentioned. Create separate classes in separate files.]**

Consider a class **VISACard**with the following method.

|  |  |
| --- | --- |
| **Method** | **Description** |
| public double ComputeRewardPoints(string \_type, double \_amount) | This method returns the 1% of the transaction amount as reward points. |

Consider a class named **HPVISACard**which extends **VISACard** class and overrides the following method.

|  |  |
| --- | --- |
| **Method** | **Description** |
| public double ComputeRewardPoints(string \_type, double \_amount) | In this method, calculate the reward points from the base class and add 10 points if it is for fuel expense. |

**Hint:**  
Use base keyword to calculate reward points from base class.  
  
Consider the class **Program**with **Main** method, get the transaction details as a comma separated values.  
**(Transaction type, amount, card type)**  
  
The card type will be either **‘VISA card’ or ‘HPVISA card’**. Otherwise, display **‘Invalid data’**  
  
Calculate the reward points corresponding to the card type and transaction type and print the reward points.

**Input and Output Format:**  
  
Reward point double values should be displayed upto**2 decimal** palces  
Refer sample input and output for formatting specifications.

**[All text in bold corresponds to the input and the rest corresponds to output.]**  
  
**Sample Input and Output 1:**  
  
Enter the transaction detail  
**Shopping,5000,VISA card**  
Total reward points earned in this transaction is 50.00  
Do you want to continue?(Yes/No)  
**Yes**  
Enter the transaction detail  
**Fuel,5000,HIVISA card**  
Invalid data  
Do you want to continue?(Yes/No)  
**Yes**  
Enter the transaction detail  
**Fuel,5000,HPVISA card**  
Total reward points earned in this transaction is 60.00  
Do you want to continue?(Yes/No)  
**No**