Week 11 Lab

* Write an abstract class called CreditCard with
  + An instance variable called name of type String
  + An instance variable called balanceOwing, of type double (this should start at 0)
  + An instance variable that called transactions that is an ArrayList containing Strings
  + A constructor that takes in the cardholder’s name
  + A method called makePurchase that accepts a String and a double. The String is a description of the purchase (example: “1 large pizza”) and the double is how much money the item cost.
    - When this method is called, you need to increase balanceOwing and add the description and cost to your transactions arraylist
  + A method called makePayment which will reduce the balanceOwing by the amount passed to it.
  + An abstract method called addInterestCharges that accepts no value and returns nothing.
  + Lastly, override the toString method so that it returns something like this:

A white background with blue text

Description automatically generated

* Write a Class called VisaGold that inherits from CreditCard. When implementing the addInterestCharges method, add 2% interest on the balance
* Write a Class called Visa that inherits from CreditCard. When implementing the addInterestCharges method, add 4% interest on the balance

**Take a look at the main method and answer the questions in the comments**

When you run the main method, the output should look something like this:

A screenshot of a computer

Description automatically generated