Programming Assignment

What you need to do:

Account class:

```
//updates the balance field
public void makeDeposit(double val);

//updates the balance field and returns true, unless
//withdrawal amount is too large; in that case,
//it does not modify the balance field, and returns false
public boolean makeWithdrawal(double amount)
```

Note: your `Account` class already has an implementation of `toString();` you may need to modify the implementation of this method in order to obtain the desired output format.

Employee class:

- implement each of the `createNewXXX` methods by creating a new instance of `Account` with the appropriate data, and storing the new instance in the appropriate instance variable in `Employee`

- implement the `deposit()` method by calling the `makeDeposit()` method on the appropriate `Account` instance.

- implement the `withdraw()` method as follows: Call the appropriate `makeWithdrawal` method on the appropriate `Account` instance and then use the return value as the new return value for `withdraw()`.

- implement the `getFormattedAccountInfo()` by calling the `toString()` method on each `Account` instance to provide its own formatted representation of its own account type and balance.

Main class:

a. It creates a new Employee object employee (you can invent your own name, hiredate, salary, etc., to be used in the constructor)
b. Then it creates a checking account, savings account and retirement account for employee, each with a starting balance of $300.
c. Then it prints to the console the account data for each of these accounts.

Here is the expected output of your program:

```
ACCOUNT INFO FOR Harry:

Account type: SAVING
Current bal: 300.0
Account type: CHECKING
Current bal: 300.0
Account type: RETIREMENT
Current bal: 300.0
```

Reference if you need, otherwise don't look at the answers :-)

```
public String getFormattedAccountInfo() {

    String result = "ACCOUNT INFO FOR " + this.getName() + ":" + "\n\n";

    result += savingAcc.toString();
    result += checkAcc.toString();
    result += retirementAcc.toString();

    return result;
}
```

```
@Override
public String toString() {
    return "Account type: " +  accountType + "\n" + "Current bal: " + balance + "\n";
}
```