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CODE:

Main Application 5 Class:

```
package application5;

/**
 *
 * @author Blas K
 */
public class Application5 {
    public static void main(String[] args) {
        CreditCardClass[] ccclass_array = new CreditCardClass[4];
        for(int i=0; i<ccclass_array.length; i++){
            ccclass_array[i] = new CreditCardClass();
        }

        ccclass_array[0].set_name("Card");
        ccclass_array[0].set_number("123");
        ccclass_array[0].set_type("VIS");

        ccclass_array[1].set_name("Card2_holder");
        ccclass_array[1].set_number("872-192");
        ccclass_array[1].set_type("MASTER");

        ccclass_array[2].set_name("");
        ccclass_array[2].set_number("879-211");
        ccclass_array[2].set_type("VISA");

        ccclass_array[3].set_name("Card4_holder_COP");
```

```

ccclass_array[3].set_number("234-632");
ccclass_array[3].set_type("");

for(int i=0;i<ccclass_array.length;i++){
    System.out.println("Card" + (i+1));
    ccclass_array[i].Display_info();
}

}

}

```

Public Credit Card Class:

```

package application5;
import java.text.NumberFormat;
/**
 *
 * @author Blas K
 */
public class CreditCardClass {

    private String name;
    private String number;
    private String type;
    int pin;

    CreditCardClass(){
        name = "Card-Name";
    }
}

```

```
    number = "87x-yyy";  
    type = "VISA";  
    pin = 000;  
}
```

```
void set_name (String new_name){  
    if(new_name.length() > 7 && new_name.length() < 15){  
        name = new_name;  
    }  
}
```

```
String get_name (){  
    return name;  
}
```

```
void set_number (String number1){  
    if(number1.length() == 7 && number1.startsWith("87")){  
        number = number1;  
    }  
    if(!number.endsWith("yyy")){  
        String[] splitString = number.split("-");  
        String end = splitString[1];  
        int finalNum = Integer.parseInt(end);  
        pin = finalNum;  
    }  
}
```

```
String get_number (){  
    return number;  
}
```

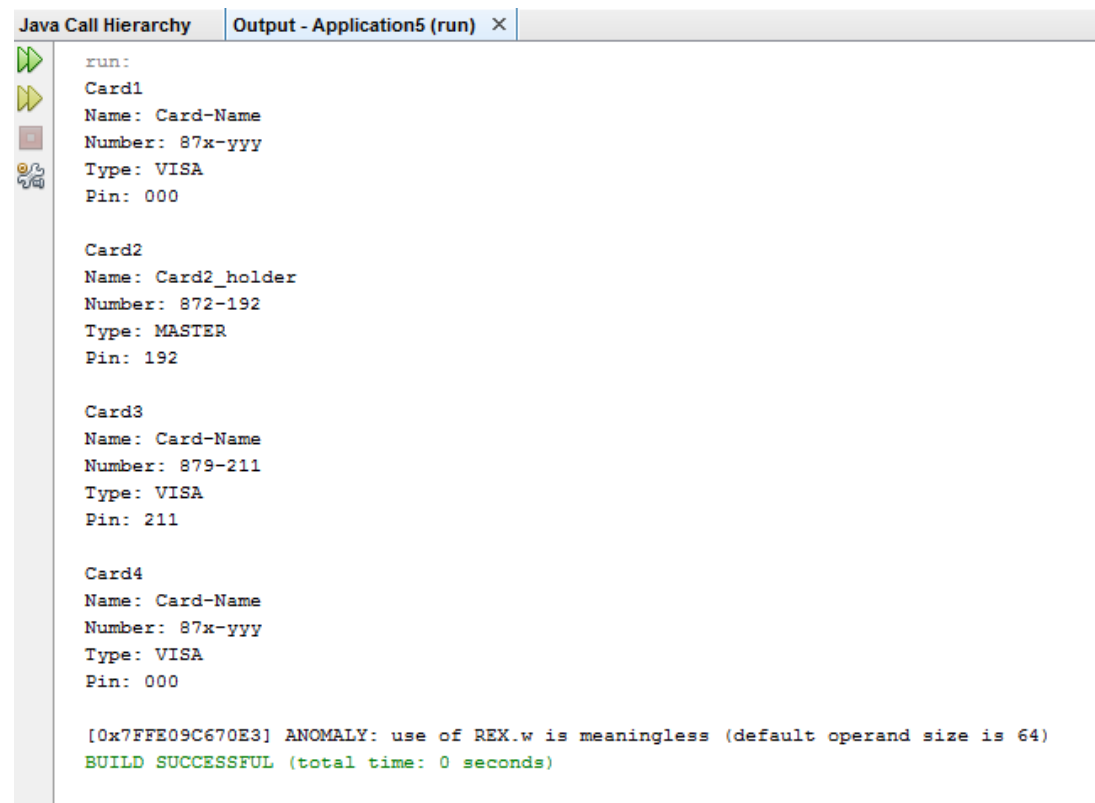
```
void set_type (String type1){
    if("VISA".equals(type1) || "MASTER".equals(type1)){
        type = type1;
    }
}

String get_type (){
    return type;
}

void Display_info(){
    NumberFormat pinFormat = NumberFormat.getInstance();
    pinFormat.setMinimumIntegerDigits(3);

    System.out.println("Name: " + name);
    System.out.println("Number: " + number);
    System.out.println("Type: " + type);
    System.out.println("Pin: " + pinFormat.format(pin));
    System.out.println("");
}
}
```

Screen Shots:



The screenshot shows an IDE window with two tabs: "Java Call Hierarchy" and "Output - Application5 (run) X". The "Output" tab is active, displaying the following text:

```
run:
Card1
Name: Card-Name
Number: 87x-yyy
Type: VISA
Pin: 000

Card2
Name: Card2_holder
Number: 872-192
Type: MASTER
Pin: 192

Card3
Name: Card-Name
Number: 879-211
Type: VISA
Pin: 211

Card4
Name: Card-Name
Number: 87x-yyy
Type: VISA
Pin: 000

[0x7FFE09C670E3] ANOMALY: use of REX.w is meaningless (default operand size is 64)
BUILD SUCCESSFUL (total time: 0 seconds)
```

On the left side of the IDE, there is a vertical toolbar with icons for running (a green play button), stepping through code (a yellow play button), and other debugging actions.