Problem 1

Create three classes:

- **CalculatingMachine** with a single constructor taking a name (**String**). The class defines also a method

    ```
    public String calculate(double x, double y)
    ```

    which calculates the sum of its arguments and returns a string with the name of the machine and the result of the addition.

    Add a static method

    ```
    public static void printRes(CalculatingMachine[] a,
                                double x, double y)
    ```

    taking an array of calculataing machines and arguments x and y — the functions prints the results of calculations with these arguments for each machine from the array.

- **Calculator** extending **CalculatingMachine** and overriding the **calculate** method. The method gets the result of addition by invoking `super.calculate` and adds the result of subtraction.

- **Computer** extending **Calculator** and overriding the **calculate**. The method gets the result of addition and subtraction by invoking `super.calculate` and adds the results of multiplication and division.

The following program

download *Computers.java*

```java
public class Computers {
    public static void main (String[] args) {
        CalculatingMachine[] arr = {
                new Computer("Cray"),
                new CalculatingMachine("Abacus"),
                new Calculator("HP")
        };
        CalculatingMachine.printRes(arr, 21, 7);
    }
}
```

should print something like

```
Cray(21.0,7.0) -> '+':28.0; '-':14.0; '*':147.0; '/':3.0
Abacus(21.0,7.0) -> '+':28.0
HP(21.0,7.0) -> '+':28.0; '-':14.0
```

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