package coffee;

public class Customer {

public static void main(String[] args) {

CoffeeShop customerCoffee = new CoffeeShop();

customerCoffee.orderBeverage("latte");

System.***out***.println();

customerCoffee.orderBeverage("capuccino");

System.***out***.println();

customerCoffee.orderBeverage("mocha");

}

}

package coffee;

public class CoffeeShop extends Procedure {

Menu menu;

public CoffeeShop() {

menu = new Menu();

}

void orderBeverage(String type) {

switch (type.toLowerCase()){

case "latte":

System.***out***.println(type.toUpperCase());

prepareRecipe(menu.latte.component);

boilWater();

brewCoffee();

pourInCap();

break;

case "capuccino":

System.***out***.println(type.toUpperCase());

prepareRecipe(menu.capuccino.component);

boilWater();

brewCoffee();

pourInCap();

break;

case "mocha":

System.***out***.println(type.toUpperCase());

prepareRecipe(menu.mocha.component);

boilWater();

brewCoffee();

pourInCap();

break;

}

}

}

package coffee;

import java.util.Arrays;

import java.util.Map.Entry;

import java.util.TreeMap;

public class Procedure {

void prepareRecipe(TreeMap<String, String[]> type) {

System.out.println("preparing recipe");

for (Entry<String, String[]> entry : type.entrySet()) {

System.out.println(entry.getKey());

Arrays.stream(entry.getValue()).forEach(System.out::println);

}

}

void boilWater() {

System.out.println("boilling water");

}

void brewCoffee() {

System.out.println("brewing coffee");

}

void pourInCap() {

System.out.println("pouring in cap");

}

}

package coffee;

import java.util.TreeMap;

public class Menu {

Latte latte;

Capuccino capuccino;

Mocha mocha;

public Menu() {

latte = new Latte();

capuccino = new Capuccino();

mocha = new Mocha();

}

}

class Latte{

TreeMap<String, String[]> component = new TreeMap<String, String[]>();

public Latte() {

component.put("Coffee", new String[] {"Espresso 1/3 cup"});

component.put("Mix", new String[] {"Milk 2/3 cup"});

}

}

class Capuccino{

TreeMap<String, String[]> component = new TreeMap<String, String[]>();

public Capuccino(){

component.put("Coffee", new String[] {"Espresso 1/3 cup"});

component.put("Mix", new String[] {"Milk 1/3 cup" , "Milk Foam 1/3 cup"});

}

}

class Mocha{

TreeMap<String, String[]> component = new TreeMap<String, String[]>();

public Mocha() {

component.put("Coffee", new String[] {"Espresso 1/3 cup"});

component.put("Mix", new String[] {"Chocolate 1/3 cup" , "Milk 1/3 cup"});

}

}