```java
import java.util.HashMap;

interface Canteen {
    void make();
 }

class Food implements Canteen {
    private String name;
    private int price;

    public Food(String name){
       this.name = name;
    }

    public void setprice(int price) {
       this.price = price;
    }

    @Override
    public void make() {
       System.out.println("Food: make() [name : " + name + ", price : " +
price);
    }
 }

 class CanteenFactory {

    // Uncomment the compiler directive line and
    // javac *.java will compile properly.
    // @SuppressWarnings("unchecked")
    private static final HashMap FoodMap = new HashMap();

    public static Canteen getFood(String name) {
       Food Food = (Food)FoodMap.get(name);

       if(Food == null) {
          Food = new Food(name);
          FoodMap.put(name, Food);
          System.out.println("Making Food  : " + name);
       }
       return Food;
    }
```

```
}

public class Flyweight1 {
    private static final String names[] = { "Chinese", "Southindian",
"Italian"};
    public static void main(String[] args) {

        for(int i=0; i < 20; ++i) {
            Food Food = (Food)CanteenFactory.getFood(getRandomname());
            Food.setprice(getRandomprice());
            Food.make();
        }
    }
    private static String getRandomname() {
        return names[(int)(Math.random()*names.length)];
    }
    private static int getRandomprice() {
        return (int)(Math.random()*100 );
    }
}
```

Output :


```
PROBLEMS  29     OUTPUT     DEBUG CONSOLE     TERMINAL

PS D:\DP> cd "d:\DP\" ; if ($?) { javac Flyweight1.java } ; if ($?) { java Flyweight1 }
Note: Flyweight1.java uses unchecked or unsafe operations.
Note: Recompile with -Xlint:unchecked for details.
Food: make() [name : Italian, price : 74
Food: make() [name : Southindian, price : 81
Food: make() [name : Chinese, price : 58
Food: make() [name : Italian, price : 70
Food: make() [name : Southindian, price : 4
Food: make() [name : Italian, price : 71
Food: make() [name : Southindian, price : 11
Food: make() [name : Southindian, price : 97
Food: make() [name : Italian, price : 87
Food: make() [name : Italian, price : 34
Food: make() [name : Southindian, price : 90
Food: make() [name : Chinese, price : 47
Food: make() [name : Chinese, price : 98
Food: make() [name : Chinese, price : 92
Food: make() [name : Chinese, price : 50
Food: make() [name : Southindian, price : 27
PS D:\DP>
```