## Oop

# hot shocolate system

### main

```
//import 'package:flutter/material.dart';
import 'package:hotshproject/hotshoc.dart';

void main() {
   print('n');
   //object
   var object1 = hotshoclate();
   // object1.makeorder(1);
   object1.hotshlevel = 100;
   object1.waterLevel = 500;
   object1.makeorder(1);
   print(object1.hotshlevel);
}
```

### Hotshoc class

```
class hotshoclate{
   List hotshsize=[7,9,8];
   double waterLevel=1000;
   double hotshlevel=4000;

void turnonoption(){
    print('option chosn');
}

void turnonoptioff(){
    print('option close');
}

bool iswaterenough(int hotshsize) {
    if (hotshsize==1&& waterLevel==500)
    {
        return true;
    }
    else{
        return false;)
}

bool ishotenough(int hotshsize) {
    if (hotshsize==1&& hotshlevel==10) {
        return true;
    }
    else{
        return true;
    }
    else{
        return true;
}

void warnhotshoclevellow() {
```

### Constructor

### in class

```
hotshoclate({List ?1, double ? h, double ?s}) {
   this.hotshsize=1!;
   this.waterLevel=h!;
   this.hotshlevel=s!;
}
```

### in main

```
import 'package:hotshproject/hotshoc.dart';

void main() {
    print('n');
    //object
    List hotshsize=[1];
    //var object1 = hotshoclate( hotshsize, 100, 500);
    var object=hotshoclate(l:hotshsize, h:100, s: 500);
    // object1.makeorder(1);
    //object1.hotshlevel = 100;
    //object1.waterLevel = 500;
    //object1.makeorder(1);
    //print(object1.hotshlevel);
    print(object1.hotshlevel);
```

}
•••••
Encapsulation
Put _before variable then use set, get to get it
<mark>train system</mark>

```
void main() {
    //runApp(const MyApp());

final List<Seat> b = [
    Seat(type: "yo", price: "50pound"),
    Seat(type: "ra", price: "70pound"),
];

//call methods or objects
RaTrain n1 = RaTrain(id: "123", seats: b);

//call polymorphsm refre object
Train nn = RaTrain(id: "12", seats: b);
YoTrain nnn = YoTrain(id: "123", seats: b);

nn.bookEconomy();
print(n1.seats);
print(n1.createBookMessage());

//nnn.id;
//print("Trin_id ${nnn.id} ");
//nl.id = "234";
//print("Trin_id ${nl.id} ");
//print(leetManager().addTrain(nn));
}
```

#### train

```
import 'seat.dart';

class Train {
   String id;
   //list not arry you can add with any types generic
   List<Seat> seats;
   //constructor
   Train({
     required this.id,
     required this.seats,
   });

   void bookEconomy() {}
   void bookbusinus() {}
}
```

#### yo train

```
import 'package:train/classes/seat.dart';
import 'package:train/classes/train.dart';
```

seat

```
// ignore_for_file: public_member_api_docs, sort_constructors_first
class Seat {
   String type;
   String price;
   Seat({
      required this.type,
      required this.price,
   });
}
```