Dart Notlarım 04.09.2024

• Mixin, Cascade Notation

```
void main() {
Bank moneyBank1 = Bank(50);
Bank moneyBank2 = Bank(50);
print(moneyBank1 + moneyBank2);
moneyBank1
  ..regularCustomer(true)
   ..company();
class Bank with CustomerTypes {
int money;
Bank(this.money);
 int operator +(Bank newBank) {
   return this.money + newBank.money;
mixin CustomerTypes {
late bool onay;
void regularCustomer(bool onay) {
  print("Basit müşteri $onay");
  print("\( \) irket");
```

```
}
}
```

## • Singelton(Static)

```
void main() {
List<dynamic> newProduct = [Product.money,
Product.companyName];

newProduct[0] += 5;
print(newProduct[0].runtimeType);
}

//Singelton(static)
//Bu class içerisinde olan değerler program çalışma
hayatı boyunca bilinçli şekilde öldürülmedikçe yaşarlar.
//Kısıt olmaksızın heryerden erişilebilirler.
//Bu yüzden kullanımında çok dikkatli olunmalıdır.
Bilinçsiz müdahale sonucunda tespiti zor crashlere
sebebiyet verebilirler.
class Product{
   static int money = 10;

   //const anahtar kelimesi static kavramının heryerden
müdahaleye izin verme özelliğine karşı değişmemesi
gereken bir değerde önlem olarak kullanılabilir.
   static const companyName = 'company';
}
```

## • as, is, is!

```
void main(){
dynamic deger = 'aaaaaa';
String strDeger= deger as String;
print(strDeger.runtimeType); //Çıktı: String
if (deger is int) {
  print('deger == int');
  print('deger != int');
if (deger is! int) {
  print('deger != int');
  print('deger == int');
```

• İleri Seviye Listeler, try-catch-finally,

```
void main() {
final phoneItems = [
   PhoneModel (model: PhoneModels.Iphone 13, price: 15000,
inch: 6.1, isSecondHand: false),
  PhoneModel (model: PhoneModels.Iphone 14, price:
25000),
   PhoneModel (model: PhoneModels.Samsung s23, price:
45000, isSecondHand: false),
   PhoneModel (model: PhoneModels.Samsung s23, price:
35000),
   PhoneModel (model: PhoneModels.Samsung s23, price:
38000),
1;
print(phoneItems.any((element) => element.model ==
PhoneModels. Iphone 14));
print(phoneItems.where((element) => element.price <</pre>
36000 &&
element.model.toString().contains("Iphone")).length);
final wantedModel = PhoneModel(model:
PhoneModels.Iphone 13, price: 15000, inch: 6.1,
isSecondHand: false);
var isWantedModel = phoneItems.contains(wantedModel);
if(isWantedModel){
  print("evet istenen model");
 }else print("hayır değil");
```

```
nesneleri alır, her birini stringe çevirir ve verilen
ayırıcı karakter ile birleştirir
final resultsS23 = phoneItems.where((element) {
element.price <40000;
}).join(" | ");
print(resultsS23);
final phoneNames = phoneItems.map((e) => e.model).join('
print(phoneNames);
bool bumper = false;
  final sixPointOneInchScreen =
phoneItems.singleWhere((element) => element.inch == 6.1);
  print("Model: "+sixPointOneInchScreen.model.toString()
+" | Fiyat:"+ sixPointOneInchScreen.price.toString());
  bumper = true;
 } catch (e) {
  print('6.1 inch telefon stoklarda yok.');
 } finally {
  print('Stok durumu: $bumper');
```

```
final index = phoneItems.indexOf(wantedModel);
print(index);
phoneItems.add(wantedModel);
print(phoneItems);
phoneItems.remove(wantedModel);
print(phoneItems);
phoneItems.sort((first, second) =>
first.price.compareTo(second.price));
print(phoneItems);
class PhoneModel {
PhoneModels model;
int price;
double? inch;
bool isSecondHand;
PhoneModel (
    this.isSecondHand = true});
@override
bool operator == (Object other) {
  if (identical(this, other)) return true;
  return other is PhoneModel &&
      other.model == model &&
      other.inch == inch &&
      other.isSecondHand == isSecondHand;
@override
String toString() {
```

```
enum PhoneModels {
   Samsung_s23,
   Iphone_13,
   Iphone_14,
   Iphone_15,
}
```