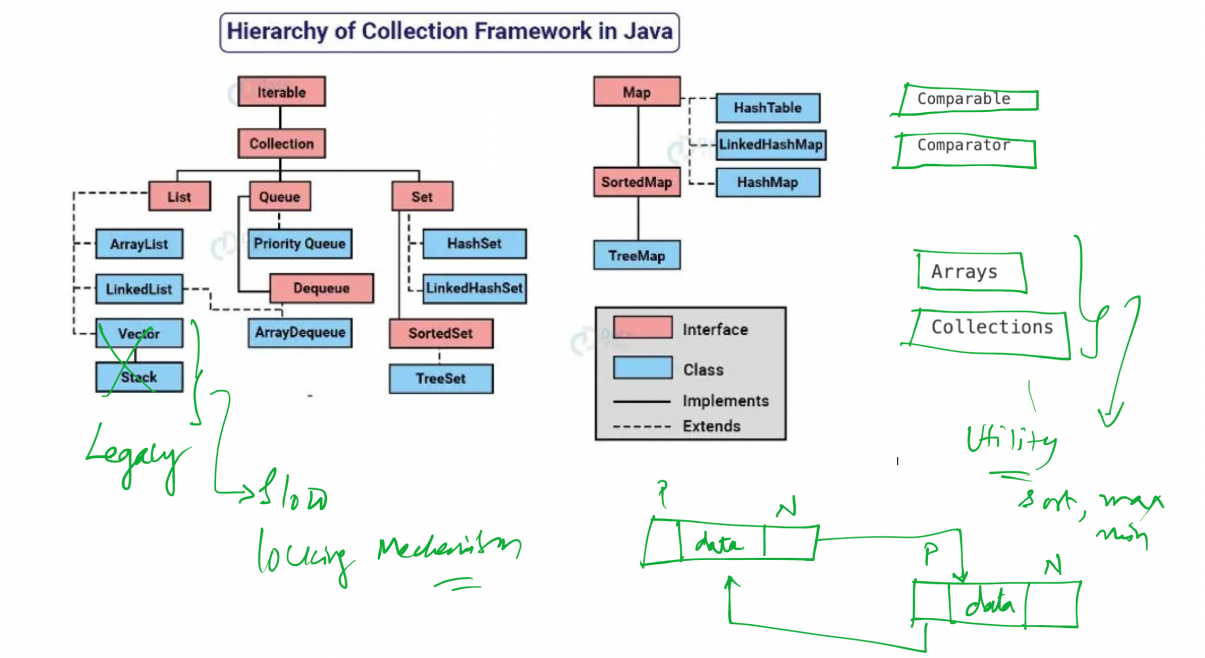
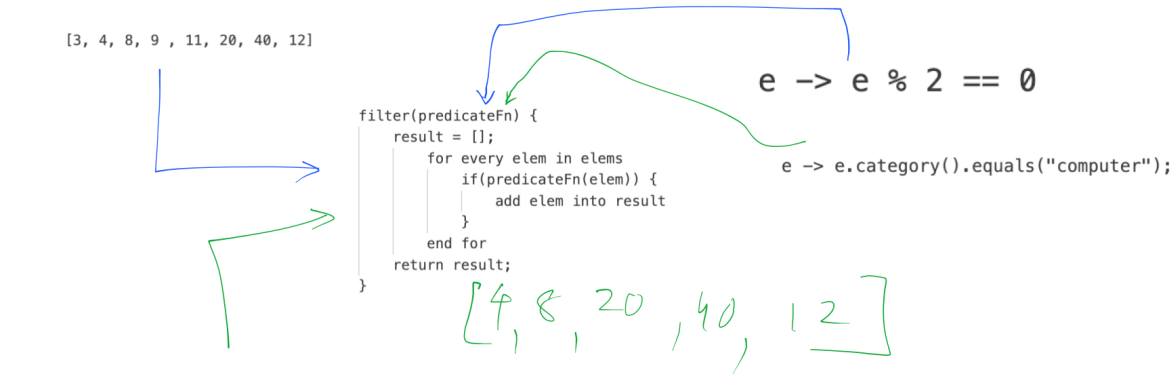
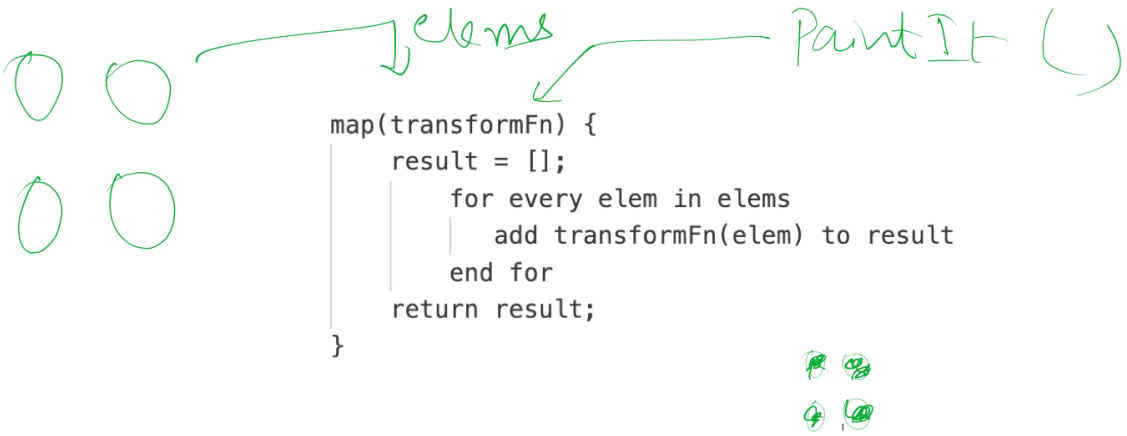


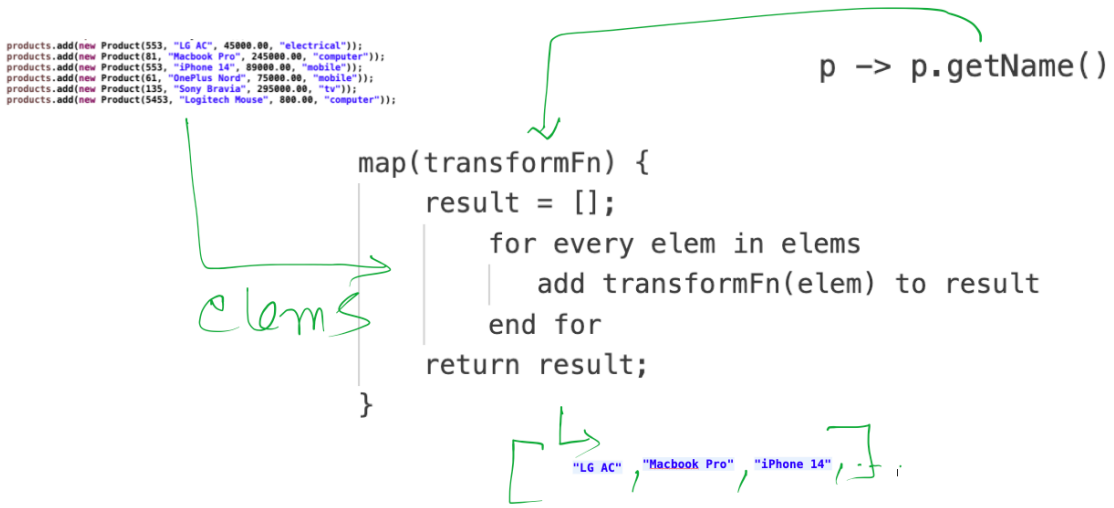



```
products.add(new Product(553, "LG AC", 45000.00, "electrical"));
products.add(new Product(81, "Macbook Pro", 245000.00, "computer"));
products.add(new Product(553, "iPhone 14", 89000.00, "mobile"));
products.add(new Product(61, "OnePlus Nord", 75000.00, "mobile"));
products.add(new Product(135, "Sony Bravia", 295000.00, "tv"));
products.add(new Product(5453, "Logitech Mouse", 800.00, "computer"));
```

```
List<Product> products = new ArrayList<>();
products.add(new Product(553, "LG AC", 45000.00, "electrical"));
products.add(new Product(81, "Macbook Pro", 245000.00, "computer"));
products.add(new Product(553, "iPhone 14", 89000.00, "mobile"));
products.add(new Product(61, "OnePlus Nord", 75000.00, "mobile"));
products.add(new Product(135, "Sony Bravia", 295000.00, "tv"));
products.add(new Product(5453, "Logitech Mouse", 800.00, "computer"));

products.stream()
    .filter(p -> p.getCategory().equals("computer"))
    .forEach(p -> System.out.println(p));
```


elems
paintIt()
map(transformFn) {
result = [];
for every elem in elems
add transformFn(elem) to result
end for
return result;
}


products.add(new Product(553, "LG AC", 45000.00, "electrical"));
products.add(new Product(81, "Macbook Pro", 245000.00, "computer"));
products.add(new Product(553, "iPhone 14", 89000.00, "mobile"));
products.add(new Product(61, "OnePlus Nord", 75000.00, "mobile"));
products.add(new Product(135, "Sony Bravia", 295000.00, "tv"));
products.add(new Product(5453, "Logitech Mouse", 800.00, "computer"));
p -> p.getName()
elems
map(transformFn) {
result = [];
for every elem in elems
add transformFn(elem) to result
end for
return result;
}
"LG AC", "Macbook Pro", "iPhone 14",

```
List<Product> products = new ArrayList<>();
products.add(new Product(553, "LG AC", 45000.00, "electrical"));
products.add(new Product(81, "Macbook Pro", 245000.00, "computer"));
products.add(new Product(553, "iPhone 14", 89000.00, "mobile"));
products.add(new Product(61, "OnePlus Nord", 75000.00, "mobile"));
products.add(new Product(135, "Sony Bravia", 295000.00, "tv"));
products.add(new Product(5453, "Logitech Mouse", 800.00, "computer"));
```

```
double total = products.stream()
//.filter(p -> p.getCategory().equals("computer"))
    .map(p -> p.getPrice())
    .reduce(0.0,(v1,v2) -> v1 + v2);
```

```
[45000.00, , 245000.00, 89000.00, 75000.00, 295000.00, 800.00]
```