OOPS

Object-Oriented Programming

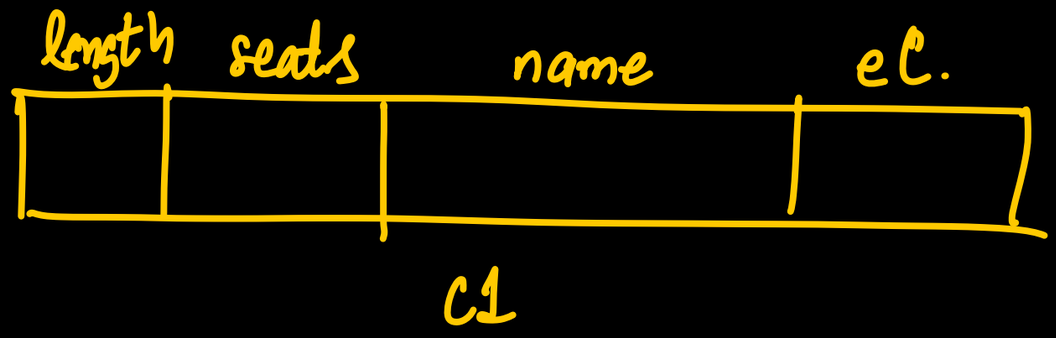
Contents

User Defined Data Type

```
class Car {
    double length;
    int seats;
    String name;
    double engineCapacity;
}

Car c1 = new Car();

c1.seats = 5;
```



Classes and Objects

Yaad hai Scanner?

Passing objects to Methods

Methods inside a class

Polymorphism (many forms)

ek naam multiple kaam

private Keyword & Encapsulation

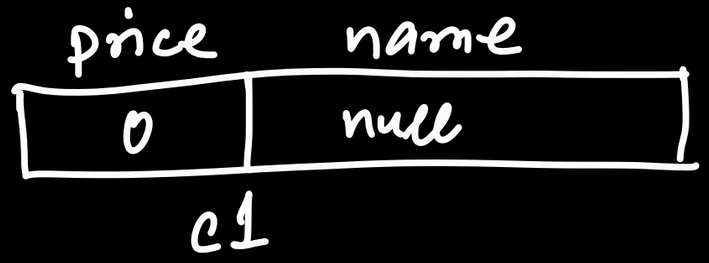
Access Modifiers

Modifier	Class	Package	Subclass	World
`public`	✔	✔	✔	✔
`protected`	✔	✔	✔	✘
`no modifier*`	✔	✔	✘	✘
`private`	✔	✘	✘	✘

Constructors ❤️

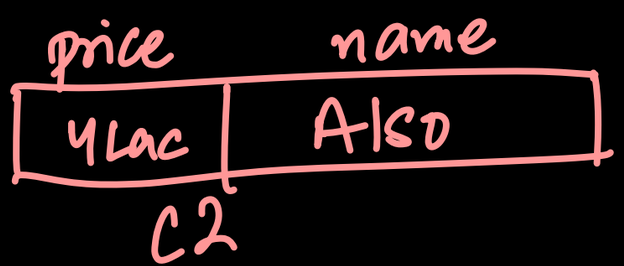
```
Student s = new Student("Priya", 24, 7.8);
```

this Keyword



price = ~~12.5 lac~~ 12.5 Lac , name = ~~Sonet~~ Sonet

s = Alto x = 4 Lac




```java
public static class Car{
    int price; // 0
    String name; // null
    Car(){}
    Car(int price, String name){
        price = price;
        name = name;
    }
    Car(String s, int x){...}

    void print() { System.out.println(price
}

public static void main(String[] args) {
    Car c1 = new Car(1250000,"Kia Sonet");
    c1.print();
    Car c2 = new Car("Lord Alto",400000);
    c2.print();
```

price = x
name = s

this Keyword

THANKYOU

Cuties