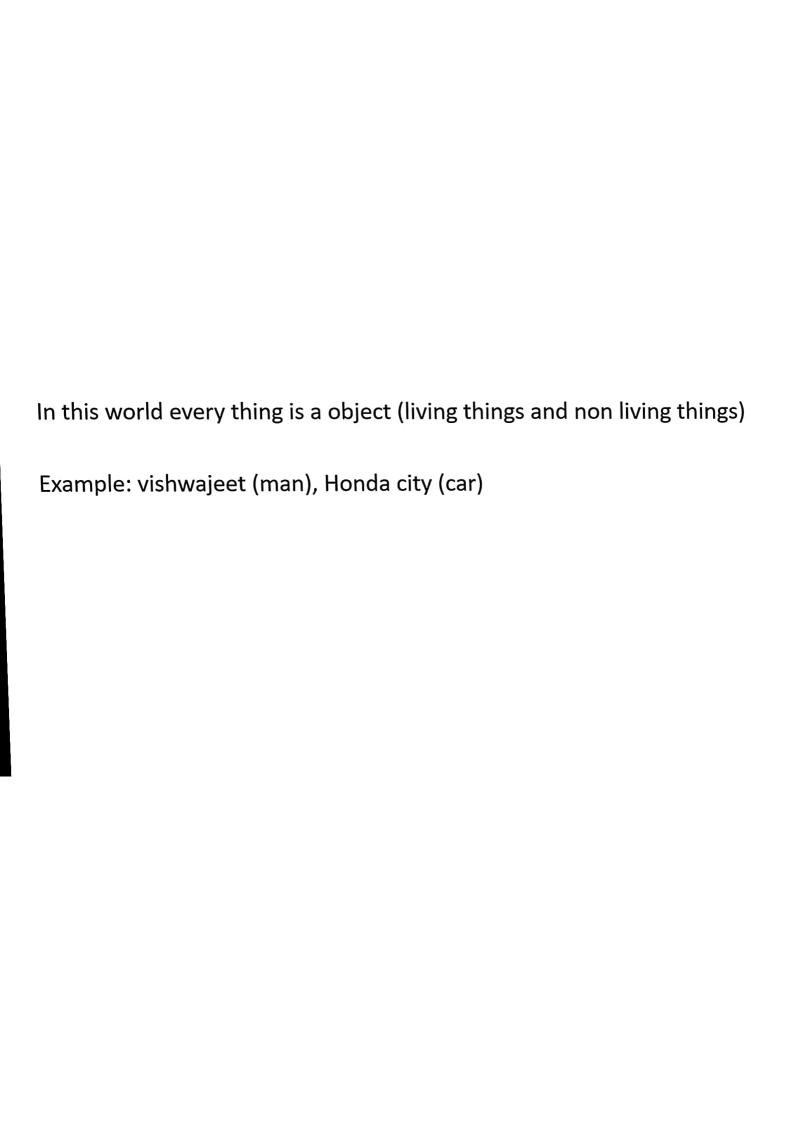Don't repeat yourself (DRY)

How we will proceed

1. Understand Object Oriented concept in real life.

2. Understand Object Oriented concept in programming (procedural vs object oriented)

3. Four pillar of Object Oriented Programming (important for interview)

4. Old object oriented programming in JavaScript till ES5

5. New class feature in ES6

Understand Object Oriented concept in real life

Three important words to understand
1. Object
2. Class
3. Inheritance

Object

In this world every thing is a object (living things and non living things)

Example: vishwajeet (man), Honda city (car)

Every object has 2 things:

1. Features or Properties
2. Actions performed by or Performed on it

vishwajeet (man)
1. Features or Properties: - full name, height, weight, age
2. Actions : - walk, eat, sleep

Honda city (car)
1. Features or Properties: - name, color, model, brand
2. Actions : - drive, repair, fuel filling

vishwajeet

1. features or properties: - full name, height, weight
2. actions : - walk, eat

Jeff Bezos

1. features or properties: - full name, height, weight
2. actions : - walk, eat

elon musk

1. features or properties: - full name, height, weight
2. actions : - walk, eat

vishwajeet

1. features or properties: - full name, height, weight

2. actions : - walk, eat

Jeff Bezos

1. features or properties: - full name, height, weight

2. actions : - walk, eat

elon musk

1. features or properties: - full name, height, weight

2. actions : - walk, eat

DRY concept arrive

Man

1. Features or Properties: - full name, height, weight

2. Actions : - walk, eat

Class

vishwajeet (man)

Jeff Bezos (man)

Elon musk (man)

DRY concept arrive

Man (Class)

1. Features or Properties: - full name, height, weight

2. Actions : - walk, eat

vishwajeet (man)
Jeff Bezos (man)
Elon musk (man)

class - (Grouping of object)

vishwajeet (man) - vishwajeet is a object of man class,
Jeff Bezos (man) - Jeff is a object of man class,
Elon musk (man) - Elon is a object of man class

DRY concept arrive

Man

1. Features or Properties: - full name, height, weight

2. Actions : - walk, eat

Class (Man)
1. features or properties: - full name, height, weight
2. actions : - walk, eat

class (Software engineer)
1. features or properties: - full name, employee id, year of experience, expertise
2. actions : - code, test, debug, deploy

vishwajeet (Software engineer and man)

Problem: Vishwajeet is a object of Software engineer class and a object of man class.

Class (Man)
1. features or properties: - full name, height, weight
2. actions : - walk, eat

class (Software engineer)
1. features or properties: - full name, employee id, year of experience, expertise, height, weight
2. actions : - code, test, debug, deploy, walk, eat

vishwajeet (Software engineer)

Problem: . we have to repeat all the features and action in another class

Inheritance