

## Day 8

### Question 1

Write a program with the following:

- Vehicle (Super class) with the following:
  - Instance variables: name and modelNo
  - Constructor(String name, String modelNo): Assign the value of parameters to instance variables
  - Getter and setter for all variables
- Bike (Sub class) with the following:
  - Instance variables: price and company
  - Constructor(String name, String modelNo, double price, String company): Call super constructor and assign the value of parameters to instance variables
  - Getter and setter for all variables
- Car (Sub class) with the following:
  - Instance variables: noOfGears
  - Constructor(String name, String modelNo, int noOfGears): Call super constructor and assign the value of parameters to instance variables
  - Getter and setter for all variables
- Runner
  - Instance variable: ArrayList<Vehicle> vehicles
  - Main method:
    - Create 2 objects of Bike and add it to the arraylist
    - Create 2 objects of Car and add it to the arraylist
    - Using loop, iterate on values of the arraylist and check if the object is instance of Car or Bike and print the values accordingly.