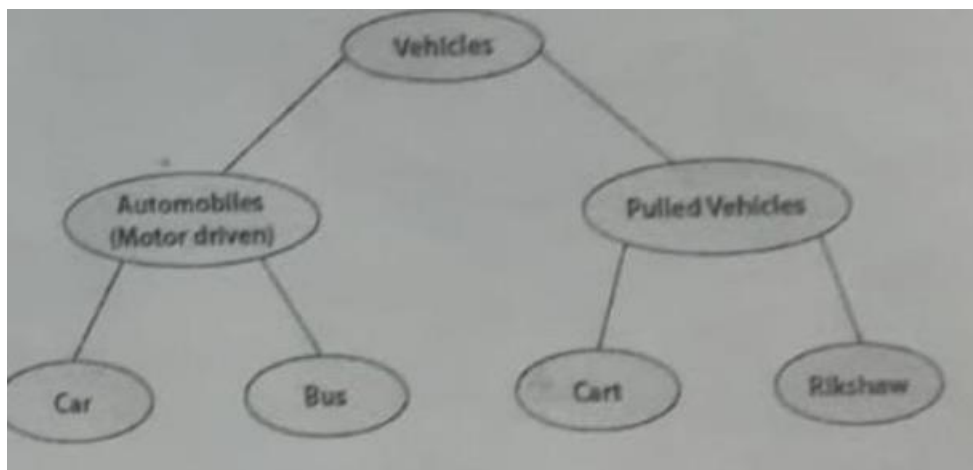


## JAVA LAB EXAM

Q 1 write a java program by using BufferedReader class to prompt user to input his name and then output .Also print length of character in name .Store person name to file "person.txt" using FileWriter . (10)

Q 3 Create following class hierarchy in your program .Make Suitable assumption for Data member and ,constructor ,methods and demonstrate working of each (10)



Q 3 The cats spend most of the day playing. In particular, they play if the temperature is between 25 and 35 (inclusive). Unless it is summer, then the upper limit is 45 (inclusive) instead of 35. (5)

- Write a method isCatPlaying that has 2 parameters
- Method needs to return if the cat is playing, otherwise, return false.
- 1st parameter should be of type boolean and be named summer - it represents if it is summer
- 2nd parameter represents the temperature and is of type int with the name temperature.

Q 4 Write a method named `getEvenDigitSum` with one parameter of type `int` called `number` (5)

- The method should return the sum of the even digits within the number
- If the number is negative, the method should return `-1` to indicate an invalid value