Revision for Task

1. A Bicycle shop keeps information about Mountain bikes and Racer bicycle.
   1. For the mountain bike this information is stored: frame number gear and speed and seat Height.
   2. For the Racer bike this information is stored: gear and speed and handle Height.
   3. Identify the number of classes to be created.
   4. Create a hierarchical inheritance between the classes.
   5. The following methods are required
      1. Default and parameterised constructors
      2. Getters and setters
      3. Use of toString() method to display bike details.
      4. applyBrake – method that decrements the speed.( just change the attribute)

public void applyBrake(int decrement)

* + 1. speedUp – method to increment the speed

public void speedUp(int increment)

* 1. Data is to be saved in 2 Arrays of type Mauntain bike and Racer Bike
  2. Ask the user to enter the size of the Array and initialise them
  3. Create a tester class with the following menu.
     1. Add MB (frame number has to be unique and 6 digits)
     2. Add RB
     3. Display (using to string method)
        1. Sub menu display MB
        2. Sub menu display RB
     4. Display (using to standard array traversal and getting object details)
        1. Sub menu display MB
        2. Sub menu display RB
     5. Edit MB (ask the user which item to edit and which attribute to edit) cannot edit an object if not list (out of bounds)
     6. Edit RB (ask the user which item to edit and which attribute to edit) cannot edit an object if not list (out of bounds)
     7. Search based on frameNumber. Return position or -1
     8. Call Apply break method and then output the speed.
     9. Call speedup method and then output the speed.