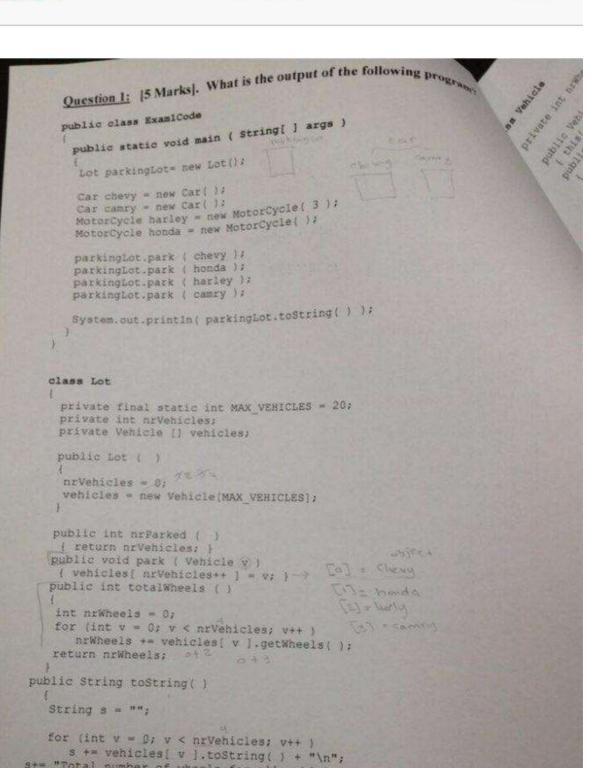
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rn s;

house tolder all Total - + the water).

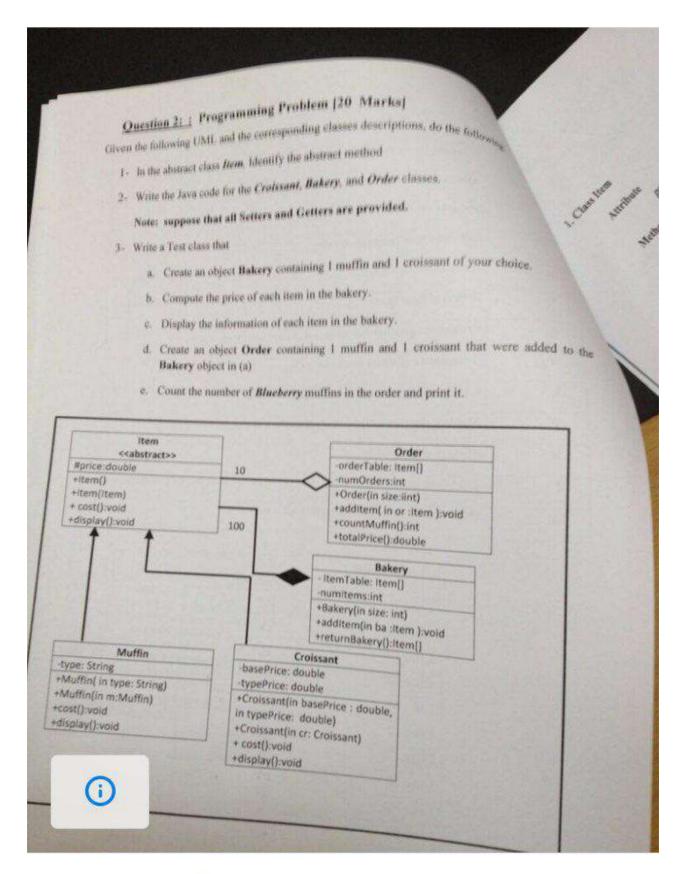
s+= "Total number of wheels for all vehicles "+ totalWheels();





5 of 9

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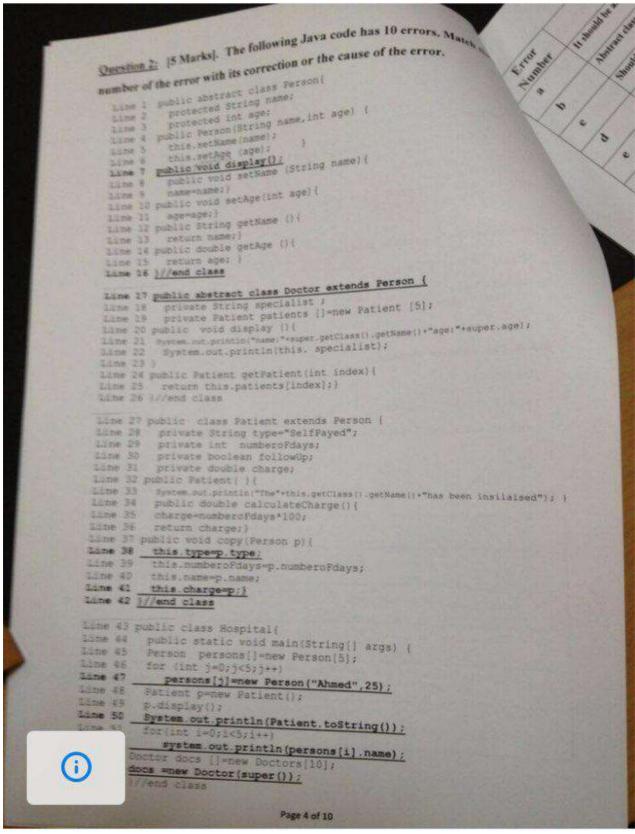
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Activity



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2 of 9

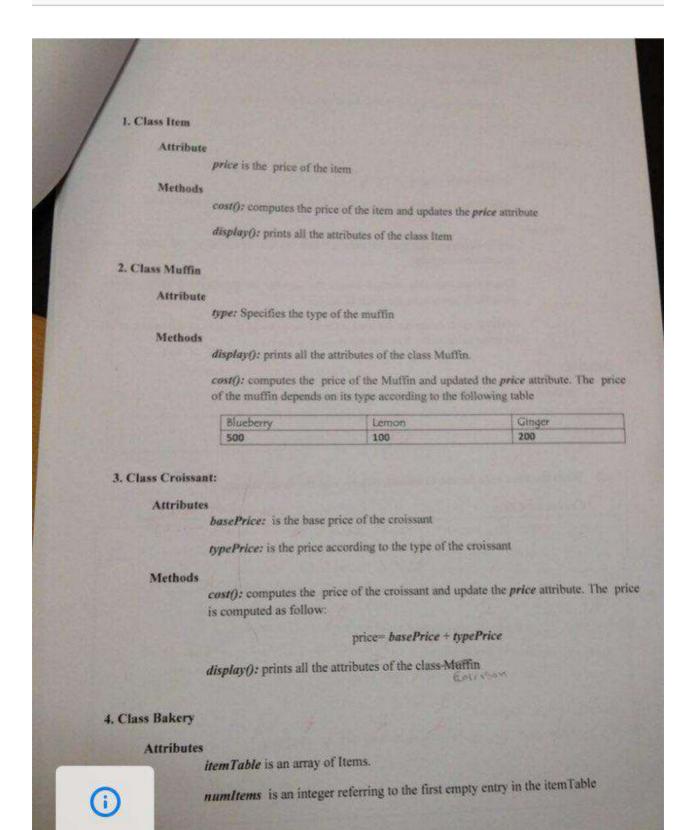


```
lass Vehicle
     private int nrWheels;
     public Vehicle()
      ( this ( 4 ); )
     public Vehicle ( int nrWheels )
     { setWheels( nrWheels); } public String toString ( )
        public int getWheels ( )
    { return nrWheels; }
public void setWheels ( int wheels )
        { nrWheels = wheels; )
  class MotorCycle extends Vehicle
     public MotorCycle ( )
       { this( 2 ); }
     public MotorCycle( int wheels )
{ super( wheels ); }
 class Car extends Vehicle
   public Car ( )
      { super( 4 ); }
   public String toString( )
    return this.getClass().getName()+" with " + getWheels() + " wheels";
Output
     stal number of womalls for all wechicles in of
                   with 2 weeks
      Total number of wealth for all vections 2 of
      Hotoro Cycle with 3 wheels
       total number of weeks for all vettricles 3
        Carwith 4 weeks
         Total number of useals for all vehicles # 1
1
```



6 of 9



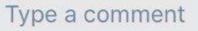


Page 7 of 10

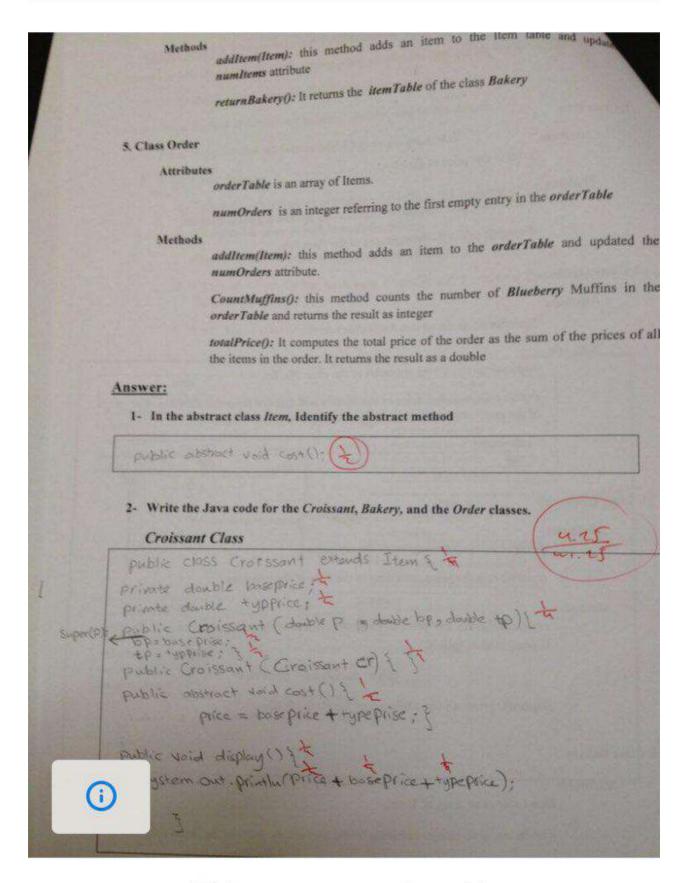
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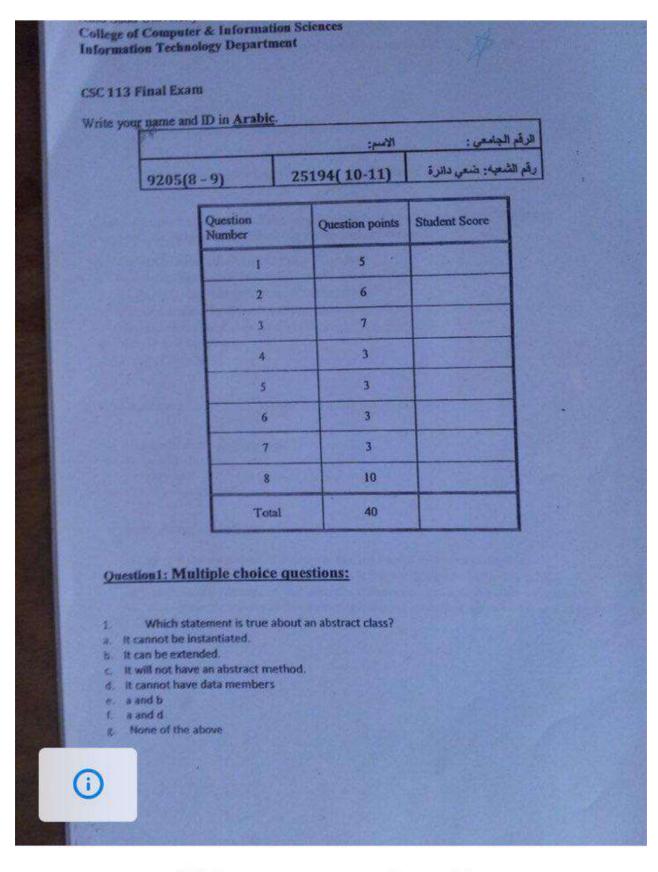


7 of 9









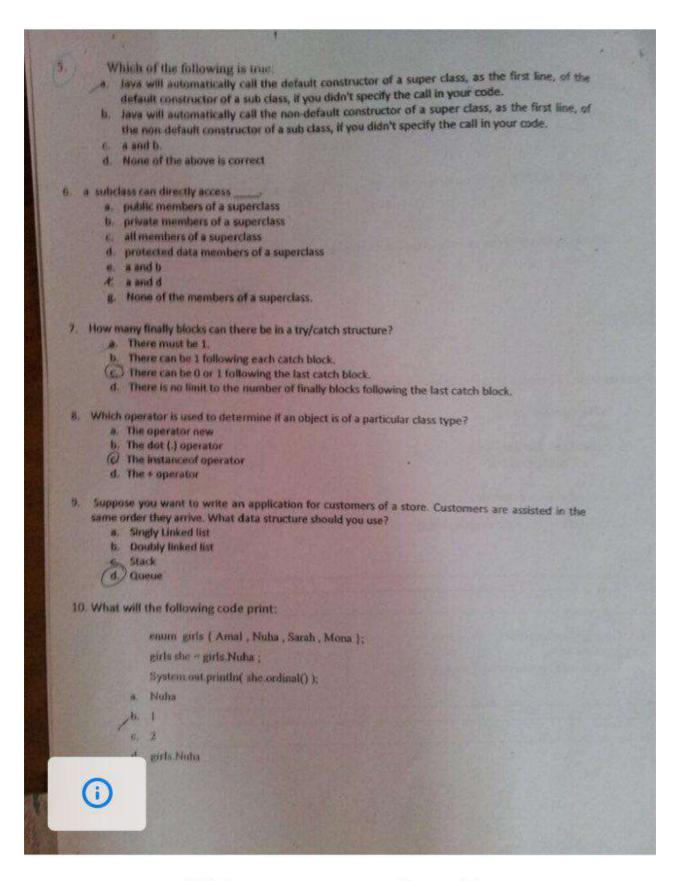




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4 of 10

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2. Here is the hierarchy of exceptions related to array index and string index errors:

Exception

- +-- RuntimeException
 - +-- IndexOutOfBoundsException
 - +-- ArrayIndexOutOfBoundsException
 - +-- StringIndexOutOfBoundsException

Suppose you had a method X that could throw both array index and string index exceptions. Which of the following statements are correct?

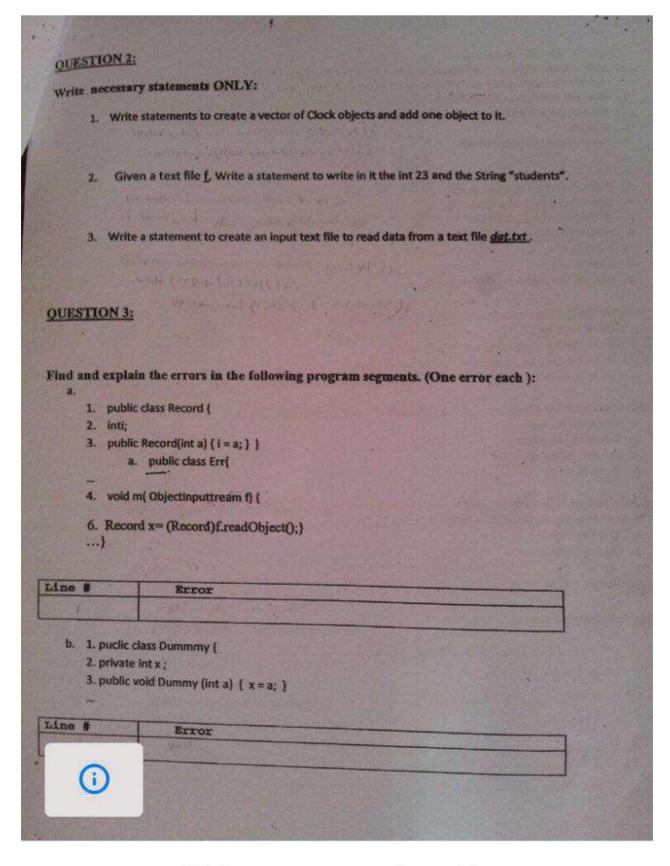
- a. The declaration for X must include "throws ArrayIndexOutOfBoundsException, StringIndexOutOfBoundsException".
- b. The declaration for X must include "throws IndexOutOf Bounds Exception".
- c. The definition for X must include try-catch statements.
- d. Any one of the above.
- e. None of the above.
- 3. Which of the following can you perform using the File class?
 - a. Change the current directory.
 - b. Open a file for input.
 - c. Delete a file.
 - d. Get the absolute path.
- 4. A finally clause will execute
 - a. only if the try statement that precedes it does not throw an exception
 - b. only if the try statement that precedes it throws an exception that is caught
 - c. only if the try statement that precedes it throws an exception that is not caught
 - d. only if the try statement that precedes it throws an exception, whether it is caught or
 - in any circumstance





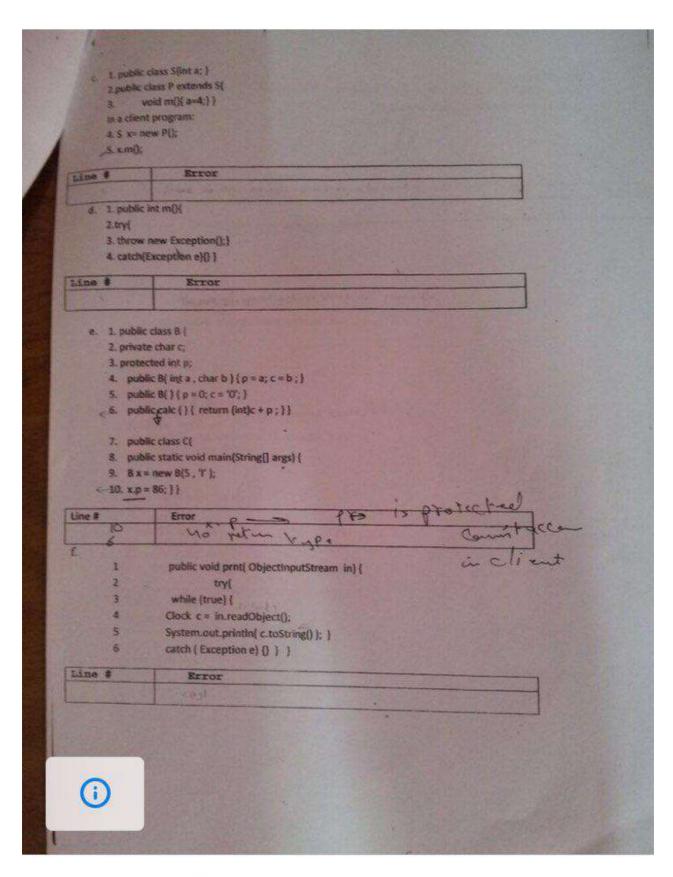


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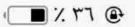




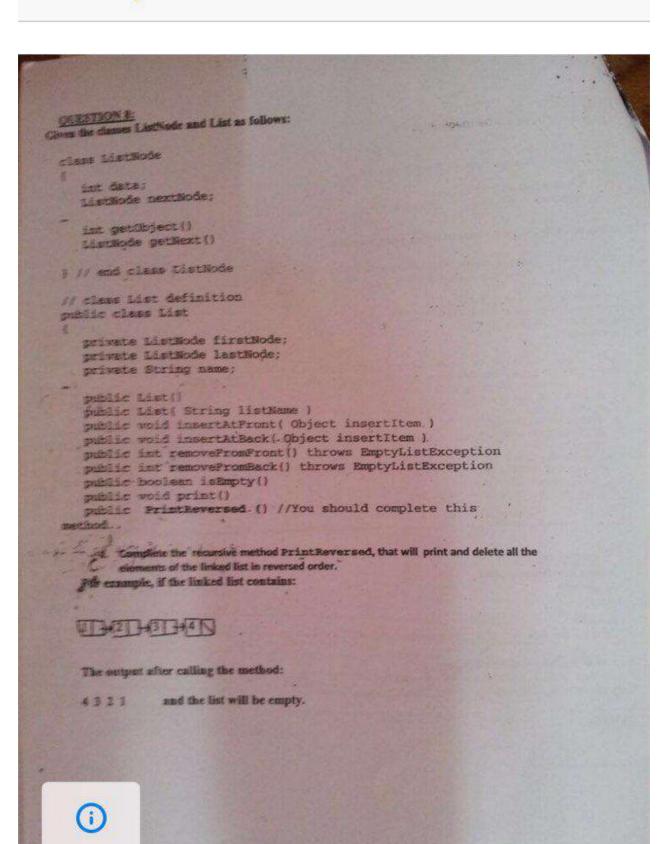
5 of 10







9 of 10

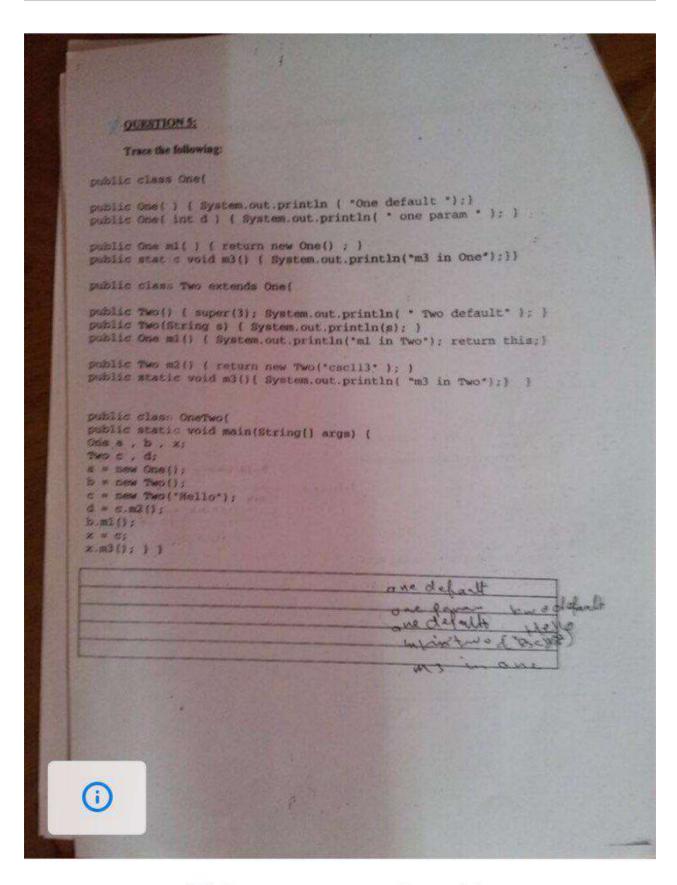








7 of 10





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