Class Diagram

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public class NucleicAcid

PROPERTIES

```
private String name;
private String formula;
private float  molarMass;
private float  density;
```

CONSTRUCTORS

```
public NucleicAcid()
public NucleicAcid(String _name, String
_formula,
  float _molarMass, float _density)
```

METHODS

```
public String getName()
public String getFormula()
public float  getMolarMass()
public float  getDensity()

public void setName(String _name)
public void setFormula(String _formula)
public void setMolarMass(int _molarMass)
public void setDensity(int _density)

public void print()
```

ASSOCIATION

public class DNA

PROPERTIES

```
NucleicAcid[] LtoRHelix;
NucleicAcid[] RtoLHelix;
```

CONSTRUCTORS

```
public DNA()
public DNA(String strand)
```

METHODS

```
public void LtoRHelixpopulate(String strand)
public void print()
public void highestMolarMass()
public void totalDensity()
```

ASSOCIATION

public class DNADriver

PROPERTIES

CONSTRUCTORS

```
public DNADriver()
```

METHODS

```
public static void main(String[] args)
```

public class HumanGenome

PROPERTIES

```
private String name;
private int    numGenes;
private int    numChromosomes;
private int    numCells;
```

CONSTRUCTORS

```
public HumanGenome()
public HumanGenome(String _name, int _numGenes,
  int _numChromosomes, int _numCells)
```

METHODS

```
public String getName()
public int    getNumGenes()
public int    getNumChromosomes()
public int    getNumCells()

public void setName(String _name)
public void setNumGenes(int _numGenes)
public void setNumChromosomes(int _numChromosomes)
public void setNumCells(int _numCells)

public void print()
```