

```

1  /** This class represents the Drug Object with
   instance variables like name of drug,smiles, drug id,
   url
2  * @Name:   Nitish
3  * @StudentID:   7201791
4  * @Assignment:   3
5  */
6  import java.io.*;
7  public class Drug {
8      String genericname;           //
   genericname
9      String SMILES;               // SMILES
10     String drugBankID;           //
   drugBankID
11     String url;                  // url
12     String druggroups;           //
   druggroups
13     Double score;                // score
14     //getter fns -use to get value of instance
   variables of class
15     public String getDrugbankID() {
16         return drugBankID;
17     }
18
19     public String getGenericname() {
20         return genericname;
21     }
22
23     public String getSmiles() {
24         return SMILES;
25     }
26
27     public double getScores() {
28         return score;
29     }
30
31     public String getUrl() {
32         return url;
33     }
34     public String getDruggroups() {
35         return druggroups;

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36     }
37
38     /**This method displays information of drugs
39     */
40     public void displayDrugs(){
41         System.out.println(this.genericname);
42         System.out.println(this.SMILES);
43         System.out.println(this.drugBankID);
44         System.out.println(this.url);
45         System.out.println(this.druggroups);
46         System.out.println(this.score);
47     }
48
49
50     public Drug(String genericname, String SMILE,
51 String drugbankid, String url, String druggroups,
52 double score){
53         this.genericname=genericname;
54         this.SMILES=SMILE;
55         this.drugBankID=drugbankid;
56         this.url=url;
57         this.druggroups=druggroups;
58         this.score =score;
59     }
60
61 }
```