```
/* SAS Code for Drug Example */

data drug_example;
input drug $ response;
datalines;
A      7.3
A      8.2
A      10.1
A      6
A      9.5
B      7.1
B      10.6
B      11.2
B      9
B      8.5
B      10.9
B      7.8
C      5.8
C      6.5
C      8.8
C      4.9
C      7.9
C      8.5
C      5.2
;
run;


/* This code calculates the means of each group */
proc means data=drug_example;
      class drug;
      var response;
run;


/* This code conducts the AVOVA F-test */
proc anova data=drug_example;
    class drug;
    model response=drug;
    means drug / tukey cldiff alpha=.05;
run;


/* About the ANOVA code:
> The CLASS statement tells SAS that the variable DRUG identifies the groups;
> The MODEL statement tells SAS we want to see how DRUG impacts RESPONSE;
> The MEANS <group> / TUKEY ALPHA=<level> statement requests the Tukey
multiple comparisons procedure to be performed at the specified alpha level
(5% is the default level)
*/
```