```sas
* KHOONG WEI HAO ST2137 Tutorial 7 T03;

* Q2;
proc format;
    value $locfmt "F" = "Front"
                  "M" = "Middle"
                  "R" = "Rear"
                  Other = "Miscoded";

data t7q2;
    infile "~/data/locate.txt" firstobs=2;
    input sales location $;
    format location $locfmt.;

proc glm data=t7q2 noprint;
    title "Tutorial 7 Question 2 One way ANOVA";
    class location;
    model sales = location;
    output out=t7q2out p=yhat r=resid;
run;

proc univariate data=t7q2out;
    var resid;
    histogram resid/ normal;
    qqplot resid;
run;
quit;

* Ans: The plots and the test show no evidence of violating the normality assumption.;
```