#include<stdio.h>   
#include<string.h>   
EXEC SQL BEGIN DECLARE SECTION;

long station\_id;   
long mon;   
float temp;   
float rain;   
char city\_name[21];   
long SQLCODE;

EXEC SQL END DECLARE SECTION;   
main()   
{   
/\* the CONNECT statement, if needed, goes here \*/   
strcpy(city\_name,"Denver");   
EXEC SQL SELECT ID INTO :station\_id

FROM STATION   
WHERE CITY = :city\_name;

if (SQLCODE == 100)

{   
printf("There is no station for city %s\n",city\_name);   
exit(0);   
}

printf("For the city %s, Station ID is %ld\n",city\_name,station\_id);    
printf("And here is the weather data:\n");   
EXEC SQL DECLARE XYZ CURSOR FOR

SELECT MONTH, TEMP\_F, RAIN\_I   
FROM STATS   
WHERE ID = :station\_id   
ORDER BY MONTH;

EXEC SQL OPEN XYZ;   
while (SQLCODE != 100) {

EXEC SQL FETCH XYZ INTO :mon, :temp, :rain;   
if (SQLCODE == 100)

printf("end of list\n");

else

printf("month = %ld, temperature = %f, rainfall = %f\n",mon,temp,rain);

}

EXEC SQL CLOSE XYZ;   
exit(0);   
}