```
1  /* Progarmmming Exercise 5-1 */
2  data q3_sales;
3      set cr.m7_sales cr.m8_sales(rename=(Employee_ID=EmpID))
4          cr.m9_sales;
5  run;
6
7  proc freq data=q3_sales;
8      table Order_Type;
9  run;
10
11 /* Programming Exerxise 5-2 */
12 proc sort data=cr.employee_addresses(rename=(Employee_ID=EmpID))
13           out=address_sort;
14     by EmpID;
15 run;
16
17 data emp_full;
18     merge cr.employee(in=e) address_sort;
19     by EmpID;
20     if e;
21 run;
22
23 /* Programming EXercise-5-3 */
24 proc sort data=cr.employee(keep=EmpID Name Department) out=emp_sort;
25     by EmpID;
26 run;
27
28 proc sort data=cr.employee_donations out=donate_sort;
29     by EmpID;
30 run;
31
32 data donation nodonation(keep=Name Department);
33     merge emp_sort(in=in_emp) donate_sort(in=in_don);
34     by EmpID;
35     if in_don=1 and in_emp=1 then do;
36        TotalDonation=sum(of Qtr1-Qtr4);
37        output donation;
38     end;
39     else if in_don=0 and in_emp=1 then output nodonation;
40 run;
41
42
43 /* Progarmmming Exercise 5-4 */
44 data shoes_future;
45     set cr.shoes_summary;
46     do year=1 to 5;
47         ProfitPerStore=ProfitPerStore*1.03;
48         output;
49     end;
50     drop Total:;
51
52
```

```
53 run;
54
55 /* Programmming Exercise 5-5 */
56 data future_expenses;
57     Wages=12874000;
58     Retire=1765000;
59     Medical=649000;
60     do Year=1 to 10;
61        Wages=Wages*1.06;
62        Retire=Retire*1.014;
63        Medical=Medical *1.095;
64        TotalCost=sum(Wages,Retire,Medical);
65        output;
66     end;
67     format Wages Retire Medical TotalCost comma12.;
68 run;
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
```