```
 1 start
 2     declarations
 3         int AIY = 5 //age in year
 4         int DPW = 5 //days per week
 5         int RATES[AIY][DPW] = {30, 60, 88, 115, 140},
 6                                 {26, 52, 70, 96, 120},
 7                                 {24, 46, 67, 89, 110},
 8                                 {22, 40, 60, 75, 88},
 9                                 {20, 35, 50, 66, 84}
10         int ageInYears = 0;
11         int daysPerWeek = 0;
12         final int SENTINEL = 999;
13         int foundIt = 0;
14         int rowLocation = 0;
15         int columnLocation = 0;
16
17         Ouput "Please enter number of days per week: "
18         Input daysPerWeek
19         Output "Please enter child's age or 999 to QUIT: "
20         Input ageInYears
21
22         while (ageInYears != SENTINEL)
23             for (int age = 0; age < AIY; age++)
24                 if (age == ageInYears)
25                     rowLocation = age;
26                     foundIt = foundIt + 1
27                     break
28                 endif
29             endfor
30             for (int days = 0; days < DPW; days++)
31                 if (days == daysPerWeek)
32                     columnLocation = days
33                     foundIt = foundIt + 1
34                     break
35                 endif
36             endfor
37             if (foundIt == 2)
38                 Output "Based on age and number of weeks, your cost is: $" + RATES[rowLocation][colum
```

```
39                    Ouput "Please enter number of days per week: "
40                    Input daysPerWeek
41                    Output "Please enter child's age or 999 to QUIT: "
42                    Input ageInYears
43                    if (ageInYears == SENTINEL)
44                        break
45            else
46                    Output "Age/Days valid values are from 0 -> 5"
47                    Ouput "Please enter number of days per week: "
48                    Input daysPerWeek
49                    Output "Please enter child's age of 999 to QUIT: "
50                    Input ageInYears
51                    if (ageInYears == SENTINEL)
52                        break
53                    endif
54            endif
55        endwhile
56 stop
```