

```

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        boolean quit = false
14
15    do
16        Output "Please enter child's age (between 0 and 4) or 999 to QUIT: "
17        Input ageInYears
18        if (ageInYears == SENTINEL)
19            quit = true
20        else
21            if (ageInYears < 0 OR ageInYears > 4))
22                while (ageInYears < 0 OR ageInYears > 4)
23                    Output "Please enter a valid age between 0 and 4: "
24                    Input ageInYears
25                endwhile
26            endif
27            Output "Please enter days per week: "
28            Input daysPerWeek
29            if (daysPerWeek < 1 OR daysPerWeek > 5)
30                while (daysPerWeek < 1 OR daysPerWeek > 5)
31                    Output "Please enter a valid number between 1 and 5"
32                    Input daysPerWeek
33                endwhile
34            endif
35            Output "Your weekly cost is: $" + RATES[ageInYears][daysPerWeek - 1] + ".00"

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36         endif
37     while (!quit)
38
39 stop
```