

```
1 using System;
2 using System.Reflection.Metadata.Ecma335;
3
4 namespace A2BaekKwangjinP1
5 {
6     class Program
7     {
8         // This program calculates registration fees for on line book subscription based of a customer's information
9         static void Main(string[] args)
10        {
11            double ageFee, referralDiscount, subPay1, subPay2, subPay3, seasonMinus, finalPay, hst, adjustmentPay, additionalTax, totalTax;
12            ageFee = 0;
13            referralDiscount = 50;
14            subPay1 = 0;
15            subPay2 = 0;
16            subPay3 = 0;
17            seasonMinus = 0;
18            finalPay = 0;
19            hst = 0.13;
20            adjustmentPay = 0;
21            additionalTax = 0.09;
22            totalTax = 0;
23
24            // step1 (Stores different Payments depending on a person's age.)
25            Console.WriteLine("Please enter your age: ");
26            int age = int.Parse(Console.ReadLine());
27
28            if (age <= 19)
29            {
30                ageFee = 37;
31                hst = 0;
32                additionalTax = 0;
33            }
34
35            else if (age <= 29)
36            {
37                ageFee = 50.00;
38            }
39
40            else if (age <= 64)
41            {
42                ageFee = 53.50;
43            }
44
45            else
46            {
47                ageFee = 00;
48            }
49
50            Console.WriteLine("What currency would you like to pay\n(You can pay USE, 7
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CAD, or BITCOIN)?: ");
51     string paymentsChoise = Console.ReadLine();
52
53     if (paymentsChoise == "USE" || paymentsChoise == "CAD" || paymentsChoise == "BITCOIN")
54     {
55         Console.WriteLine("You have chosen {0}", paymentsChoise);
56     }
57
58     else
59     {
60         Console.WriteLine("Sorry you can only pay USE, CAD, or BITCOIN");
61     }
62
63     Console.Write("Are you referred by an existing client?(y/n): ");
64     string referredClients = Console.ReadLine();
65
66     if (referredClients == "y" || referredClients == "Y")
67     {
68         subPay1 = ageFee - referralDiscount;
69         if (subPay1 <= 0)
70         {
71             subPay1 = 0;
72         }
73     }
74
75     else
76     {
77         subPay1 = ageFee;
78     }
79
80     //step2 (Decides seasonal adjustments.)
81     Console.Write("What month would you like to start your subscription? \n(1,2,3,4,5,6,7,8,9,10,11,12)?: ");
82     string startingMonth = Console.ReadLine();
83     switch (startingMonth)
84     {
85         case "1":
86         case "2":
87         case "3":
88         case "4":
89             seasonMinus = 2;
90             break;
91
92         case "5":
93             subPay2 = 25;
94             break;
95
96         default:
97             subPay2 = 0;
98             break;
```

```
99     }
100
101     //step3 (Calculates final payment)
102     subPay3 = subPay1 + subPay2;
103     totalTax = (subPay3 * hst) + (subPay3 * additionalTax);
104     finalPay = subPay3 + totalTax - seasonMinus;
105     if (finalPay <= 0)
106     {
107         finalPay = 0;
108     }
109     adjustmentPay = finalPay - totalTax - subPay1;
110
111     Console.WriteLine("\nThe Applicant's age: {0}\nRegistration Month: {1}\nWere they referred: {2}", age, startingMonth, referredClients);
112     Console.WriteLine("\nFee before adjustment [{0:0.00} - referred DC]: ${1:0.00}", ageFee, subPay1);
113     Console.WriteLine("Total adjustment ('Season adjustment fees'): ${0:0.00}", adjustmentPay);
114     Console.WriteLine("Total tax calculated [{0:0.00} * ({1:0.00} + {2:0.00})]: ${3:0.00}", subPay1, additionalTax, hst, totalTax);
115     Console.WriteLine("\nFinal Total (Including all taxes)as calculated" +
116         "\nby the application [{0:0.00} + {1:0.00} - {2:0.00}(Season discount)]: ${3:0.00}", subPay3, totalTax, seasonMinus, finalPay);
117     }
118 }
119 }
120
```