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1  /*F17/1760/2019 BENJAMIN OKUMU
2  PROGRAM DETERMINES VIRAL DISEASE AS EITHER CORONAVIRUS, FLU OR COLD*/
3  #include<iostream>
4  using namespace std;
5  int main()
6  {
7      int option=1;
8      //display the symptoms
9      cout<<"VIRAL DISEASE DETERMINER!!"<<endl;
10     cout<<"WHICH OF THESE SYMPTOMS DO YOU EXHIBIT?"<<endl;
11     cout<<"[1]FEVER"<<endl;
12     cout<<"[2]FATIGUE"<<endl;
13     cout<<"[3]COUGH"<<endl;
14     cout<<"[4]SNEEZING"<<endl;
15     cout<<"[5]ACHES AND PAINS"<<endl;
16     cout<<"[6]RUNNY OR STUFFY NOSE"<<endl;
17     cout<<"[7]SORE THROAT"<<endl;
18     cout<<"[8]DIARRHEA"<<endl;
19     cout<<"[9]HEADACHES"<<endl;
20     cout<<"[10]SHORTNESS OF BREATH"<<endl;
21     do{
22         int option;
23         int i;
24         cout<<"ENTER SYMPTOM NO:";
25         cin>>option;
26         //using if loops for each symptom, analysis of the symptoms occurs below
27
28         if (option==1)
29         {
30             cout<<"ENTER SEVERITY;"<<endl;
31             cout<<"[1]Common"<<endl;
32             cout<<"[2]Rare"<<endl;
33             int severity;
34             cin>>severity;
35             if(severity==1)
36             {
37                 cout<<"Coronavirus or Flu"<<endl;
38             }
39             else if(severity==2)
40             {
41                 cout<<"Cold"<<endl;
42             }
43         }
44         else if(option==2)
45         {
46             cout<<"ENTER SEVERITY;"<<endl;
47             cout<<"[1]Sometimes"<<endl;
48             cout<<"[2]Common"<<endl;
49             int severity;
50             cin>>severity;
51             if(severity==1)
52             {
53                 cout<<"Coronavirus or cold"<<endl;
54             }
55             else if(severity==2)
56             {
57                 cout<<"Flu"<<endl;
58             }
59         }
60         else if(option==3)
61         {
62             cout<<"ENTER SEVERITY;"<<endl;
63             cout<<"[1]Common(usually dry)"<<endl;
64             cout<<"[2]Dry"<<endl;
65             int severity;
66             cin>>severity;

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67         if(severity==1)
68         {
69             cout<<"Coronavirus or Flu"<<endl;
70         }
71         else if(severity==2)
72         {
73             cout<<"Cold"<<endl;
74         }
75     }
76     else if(option==4)
77     {
78         cout<<"ENTER SEVERITY;"<<endl;
79         cout<<"[1]None"<<endl;
80         cout<<"[2]Common"<<endl;
81         int severity;
82         cin>>severity;
83         if(severity==1)
84         {
85             cout<<"Coronavirus or Flu"<<endl;
86         }
87         else if(severity==2)
88         {
89             cout<<"Cold"<<endl;
90         }
91     }
92     else if(option==5)
93     {
94         cout<<"ENTER SEVERITY;"<<endl;
95         cout<<"[1]Sometimes"<<endl;
96         cout<<"[2]Common"<<endl;
97         int severity;
98         cin>>severity;
99         if(severity==1)
100        {
101            cout<<"Coronavirus"<<endl;
102        }
103        else if(severity==2)
104        {
105            cout<<"Cold of flu"<<endl;
106        }
107    }
108    else if(option==6)
109    {
110        cout<<"ENTER SEVERITY;"<<endl;
111        cout<<"[1]Rare"<<endl;
112        cout<<"[2]Common"<<endl;
113        cout<<"[3]Sometimes"<<endl;
114        int severity;
115        cin>>severity;
116        if(severity==1)
117        {
118            cout<<"Corona virus"<<endl;
119        }
120        else if(severity==2)
121        {
122            cout<<"Cold"<<endl;
123        }
124        else if(severity==3)
125        {
126            cout<<"Flu"<<endl;
127        }
128    }
129    else if (option==7)
130    {
131        cout<<"ENTER SEVERITY;"<<endl;
132        cout<<"[1]Sometimes"<<endl;

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133     cout<<"[2]Common"<<endl;
134     int severity;
135     cin>>severity;
136     if(severity==1)
137     {
138         cout<<"Coronavirus or Flu"<<endl;
139     }
140     else if(severity==2)
141     {
142         cout<<"Cold"<<endl;
143     }
144 }
145 else if(option==8)
146 {
147     cout<<"ENTER SEVERITY;"<<endl;
148     cout<<"[1]Rare"<<endl;
149     cout<<"[2]No"<<endl;
150     cout<<"[3]Sometimes(children)"<<endl;
151     int severity;
152     cin>>severity;
153     if(severity==1)
154     {
155         cout<<"Coronavirus or Flu"<<endl;
156     }
157     else if(severity==2)
158     {
159         cout<<"Cold"<<endl;
160     }
161     else if(severity==3)
162     {
163         cout<<"Flu"<<endl;
164     }
165 }
166 else if(option==9)
167 {
168     cout<<"ENTER SEVERITY;"<<endl;
169     cout<<"[1]Sometimes"<<endl;
170     cout<<"[2]Rare"<<endl;
171     cout<<"[3]Common"<<endl;
172     int severity;
173     cin>>severity;
174     if(severity==1)
175     {
176         cout<<"Coronavirus or Flu"<<endl;
177     }
178     else if(severity==2)
179     {
180         cout<<"Cold"<<endl;
181     }
182     else if(severity==3)
183     {
184         cout<<"Flu"<<endl;
185     }
186 }
187 else
188 {
189     cout<<"ENTER SEVERITY;"<<endl;
190     cout<<"[1]Sometimes"<<endl;
191     cout<<"[2]No"<<endl;
192     int severity;
193     cin>>severity;
194     if(severity==1)
195     {
196         cout<<"Coronavirus"<<endl;
197     }
198     else if(severity==2)

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199         {
200             cout<<"Cold or flu"<<endl;
201         }
202     }
203
204     }while(option=1);
205 }
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