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1  import javax.swing.plaf.synth.SynthOptionPaneUI;
2  import java.util.Scanner;
3
4
5  public class Tnaimorcav {
6      public static void main(String[] args) {
7          Scanner input = new Scanner(System.in);
8
9          // targil 1
10         int num;
11         System.out.print("enter 1 digit whole number ->");
12         num = input.nextInt();
13
14         if (num > 0 && num < 10) {
15             if (num % 2 == 0 || num % 3 == 0) {
16                 System.out.println("המספר מתחלק ב2 או ב3");
17             } else
18                 System.out.println("המספר לא מתחלק ב2 או ב3");
19         } else
20             System.out.println("error");
21
22
23         // targil 2
24         System.out.print("enter your age ->");
25         num = input.nextInt();
26         if (num > 0 && num < 120) {
27             System.out.println("reasonable age");
28         } else System.out.println("not a reasonable age");
29
30         //targil 3
31         int num2;
32         System.out.print("enter whole number ->");
33         num = input.nextInt();
34         System.out.print("enter another whole number ->");
35         num2 = input.nextInt();
36
37         if (num > 0 && num2 > 0) { // כדי שהמספרים יהיו שלילים יש להפוך את הסימן ששני
38             // המספרים יהיו קטנים מ0
39             if (num + 1 == num2 || num - 1 == num2) { // אפשר לעשות את התרגיל גם ללא
40                 // Math.abs(num - num2) == 1 תנאי מורכב
41                 System.out.println("successors");
42             } else
43                 System.out.println("not successors");
44         } else
45             System.out.println("error");
46
47         //targil 4
48         int boy1, boy2, girl1, girl2;
49         System.out.print("enter how many boys in class1 ->");

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48     boy1 = input.nextInt();
49     System.out.print("enter how many girls in class1 ->");
50     girl1 = input.nextInt();
51     System.out.print("enter how many boys in class2 ->");
52     boy2 = input.nextInt();
53     System.out.print("enter how many girls in class2 ->");
54     girl2 = input.nextInt();
55     if (boy1 != girl1)
56         if (boy1 > girl1)
57             System.out.println("more boys then girls in class 1");
58         else
59             System.out.println("more girls then boys in class1");
60     else
61         System.out.println("class1 is balanced");
62
63     //class 2
64     if (boy2 != girl2)
65         if (boy2 > girl2)
66             System.out.println("more boys then girls in class 2");
67         else
68             System.out.println("more girls then boys in class2");
69     else
70         System.out.println("class2 is balanced");
71
72     if (boy1 > girl1 && boy2 < girl2)
73         System.out.println("balanced");
74     else
75         if (girl2 > boy2 && girl1 > boy1)
76             System.out.println("more girls then boys");
77         else
78             System.out.println("more boys then girls");
79
80
81     //targil 5
82     double dnum1, dnum2, dnum3; //dnum = doubleNum
83     System.out.print("enter num1 ->");
84     dnum1 = input.nextDouble();
85     System.out.print("enter num2 ->");
86     dnum2 = input.nextDouble();
87     System.out.print("enter num3 ->");
88     dnum3 = input.nextDouble();
89     if (dnum1 == dnum2 && dnum2 == dnum3)
90         System.out.println("they are equal");
91     if (dnum1 == dnum2 || dnum2 == dnum3 || dnum1 == dnum3)
92         System.out.println("there are at least 2 equal numbers");
93     if ((dnum1 == dnum2 && dnum2 != dnum3) || (dnum3 == dnum2 &&
dnum2 != dnum1) || (dnum1 == dnum3 && dnum3 != dnum2))
94         System.out.println("there are only 2 equal number");
95     if (dnum1 != dnum2 && dnum2 != dnum3 && dnum1 != dnum3)

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96         System.out.println("there arent any equal numbers");
97
98     // targil 6
99     System.out.print("enter the degree ->");
100    num = input.nextInt();
101    if (num>0 && num < 90)
102        System.out.println("sharp angle");
103    else
104        if (num == 90)
105            System.out.println("straight angle");
106        else
107            if (num > 90 && num <180)
108                System.out.println("dull angle");
109
110    //targil 7
111    int a, b, c;
112    System.out.print("enter a ->");
113    a = input.nextInt();
114    System.out.print("enter b ->");
115    b = input.nextInt();
116    System.out.print("enter c ->");
117    c = input.nextInt();
118    if (a < b && a >c || a>b && a<c)
119        System.out.println(a + " in between" + b + "and" + c);
120    else System.out.println(a + "is not between them");
121
122    //targil 8
123    int d1,d10;
124    System.out.print("enter 2digit number ->");
125    num = input.nextInt();
126    if (num>=10 && num <=99){
127        d1 = num%10 +2;
128        d10 = num/10 +2;
129        if (d1 >= 10){
130            d1 = d1/10 + d1%10;
131        }
132        if (d10 >= 10){
133            d10 = d10/10 + d10%10;
134        }
135        System.out.println(d1 + d10*10);
136    } else System.out.println("THIS IS NOT 2DIGIT NUM");
137
138    //targil 9
139    int age, expirance;
140    String name;
141    System.out.print("enter age ->");
142    age = input.nextInt();
143    System.out.print("enter expirance ->");
144    expirance = input.nextInt();

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145     System.out.print("enter name ->");
146     name = input.next();
147     if (age >= 25 && age <=40 && expirance >= 3)
148         System.out.println(name + "you goy hired");
149     else System.out.println("sorry" + name + "you didnt get hired");
150 }
151 }
152 /*
153  *enter 1 digit whole number ->7
154  המספר לא מתחלק ב2 או ב3
155  enter your age ->28
156  reasonable age
157  enter whole number ->6
158  enter another whole number ->9
159  not successors
160  enter how many boys in class1 ->17
161  enter how many girls in class1 ->13
162  enter how many boys in class2 ->9775
163  enter how many girls in class2 ->2
164  more boys then girls in class 1
165  more boys then girls in class 2
166  more boys then girls
167  enter num1 ->1
168  enter num2 ->2
169  enter num3 ->4
170  there arent any equal numbers
171  enter the degree ->50
172  sharp angle
173  enter a ->7
174  enter b ->77
175  enter c ->9
176  7 is not between them
177  enter 2digit number ->30
178  52
179  enter age ->40
180  enter expirance ->7
181  enter name ->motkale
182  motkaleyou goy hired
183  *
184  *
185  * */
186

```