

```
1: //Cognome Nome
2:
3: import java.io.*;
4:
5: class ProgVerBase {
6:     public static void main(String args[]) {
7:         //tastiera
8:         InputStreamReader input = new InputStreamReader(System.in);
9:         BufferedReader tastiera = new BufferedReader(input);
10:        String dato="";
11:        //ES01
12:        System.out.println("\nES01-----");
13:        //punto a
14:        double lato = 12.9;
15:        try {
16:            System.out.print("Inserire lato pentagono: ");
17:            dato = tastiera.readLine();
18:            lato = Double.valueOf(dato).doubleValue();
19:        }
20:        catch(IOException e) { System.out.println("Errore di input..."); return;
21:        double perim = 5 * lato;
22:        System.out.println("Perimetro: " + perim);
23:        //punto b
24:        if(perim>100) { System.out.println("Troppo Grande..."); }
25:        //punto c
26:        int k=0;
27:        while(k<7) {
28:            System.out.println("Benvenuto " + args[0] + "!");
29:            k++;
30:        }
31:        /*int k=0;
32:        do {
33:            System.out.println("Benvenuto " + args[0] + "!");
34:            k++;
35:        } while(k<7);*/
36:        //punto d
37:        int num = 129;
38:        try {
39:            System.out.print("Inserire valore intero: ");
40:            dato = tastiera.readLine();
41:            num = Integer.valueOf(dato).intValue();
42:        }
43:        catch(IOException e) { System.out.println("Errore di input..."); return;
44:        int cu = num%10;
45:        switch(cu) {
46:            case 6: System.out.println("Primavera"); break;
47:            case 7: System.out.println("Estate"); break;
48:            case 8: System.out.println("Autunno"); break;
49:            case 9: System.out.println("Inverno"); break;
50:            default: System.out.println("Non Esiste"); break;
51:        }
52:        //ES02
53:        System.out.println("\n\nES02-----");
54:        final int N = 20;
55:        int vcas[] = new int[N];
56:        for(int i=0; i<N; i++) {
57:            vcas[i] = (int) (Math.random()*(40-15+1)+15);
58:            System.out.print(vcas[i] + " ");
59:        }
60:        System.out.println("");
61:        int cp=0;
62:        double md=0;
63:        for(int i=0; i<N; i++) {
64:            if (vcas[i]%2==0) { cp++; }
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65:         else { md+=vcas[i]; }
66:     }
67:     md/=(N-cp);
68:     System.out.println("Conteggio celle contenenti valore pari: " + cp);
69:
70:     System.out.println("Media celle contenenti valore dispari: " + md);
71:
72:     //ES03
73:     System.out.println("\n\nES03-----");
74:     final int M = 7;
75:     int mq[][]= new int[M][M];
76:     for(int i=0; i<M; i++) {
77:         for(int j=0; j<M; j++) {
78:             mq[i][j] = 40;
79:             System.out.print(mq[i][j]);
80:         }
81:         System.out.println();
82:     }
83:     for(int i=0; i<M; i++) {
84:         for(int j=0; j<M; j++) {
85:             if(i%2==1 || j%2==1 ) { mq[i][j] = 1; }
86:             System.out.print(mq[i][j]);
87:         }
88:         System.out.println();
89:     }
90:     //ES04
91:     System.out.println("\n\nES04-----");
92:     char matcar[][]= new char[4][5];
93:     for(int i=0; i<4; i++) {
94:         for(int j=0; j<5; j++) {
95:             matcar[i][j] = (char) (Math.random()*(90-65+1)+65);
96:             System.out.print(matcar[i][j]);
97:         }
98:         System.out.println();
99:     }
100:     char myCar='S';
101:     try {
102:         System.out.print("Inserire un carattere: ");
103:         dato = tastiera.readLine();
104:         myCar = dato.charAt(0);
105:     }
106:     catch(IOException e) { System.out.println("Errore di input..."); return;
107:
108:     for(int i=0; i<4; i++) {
109:         for(int j=0; j<5; j++) {
110:             if(matcar[i][j] == myCar) { matcar[i][j] = '#'; }
111:             System.out.print(matcar[i][j]);
112:         }
113:         System.out.println();
114:     }
115: } //main
116: } //ProgVerBase
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