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1  /*Bai 1:
2  Viet chuong trinh in len man hinh mot thiep moi
3  */
4
5  /*Khai bao thu vien*/
6  #include <stdio.h>
7  #include <conio.h>
8  void main ()
9  {
10     clrscr();
11     printf("\n*****");
12     printf("\n\tTHIEP MOI");
13     printf("\nThan moi ban: Nguyen Manh Hung");
14     printf("\nToi du le sinh nhat cua minh");
15     printf("\nVao luc 19h ngay 12/10/2005");
16     printf("\nTai 05/42 Tran Phu - Can Tho");
17     printf("\nRat mong duoc don tiep !");
18     printf("\n                Ho Thu Huong");
19     printf("\n*****");
20     getch(); //Ham dung cho man hinh doi nguoi dung nhan 1 ky tu
21 }
22 /*****
23 *****/
24 /*Bai 2:
25 Chuong trinh nhap vao ban kinh r cua mot hinh tron.
26     Tinh chu vi va dien tich.
27     In ket qua ra man hinh !
28 */
29
30 #include <stdio.h>
31 #include <conio.h>
32 #define PI 3.14 //Khai bao hang so PI = 3.14
33 void main()
34 {
35     float r,c,s; //Khai bao bien kieu float
36     clrscr(); //Ham xoa man hinh
37     printf("\nNhap vao ban kinh:");
38     scanf("%f",&r); //Dua gia tri nhap tu ban phim vao bien r
39     c = 2 * PI * r; //Tinh chu vi hinh tron
40     s = PI * r * r; //Tinh dien tich hinh tron
41     printf("\nChu vi cua hinh tron la: %.2f",c); //In ket qua len man hinh
42     printf("\nDien tich cua hinh tron la: %.2f",s); //%.2f : lay 2 so le sau dau cham
        thap phan
43     getch();
44 }
45 /*****
46 *****/
47 /*Bai 3:
48 Chuong trinh nhap vao do dai 3 canh a, b, c cua mot tam giac.
49     Tinh chu vi va dien tich tam giac.
50     In ket qua len man hinh
51 */
52
53 #include <stdio.h>
54 #include <conio.h>
55 #include <math.h>

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56 void main()
57 {
58     float a, b, c, p, cv, s;
59     clrscr();
60     printf("\nNhap vao 3 canh a b c:");
61     scanf("%f%f%f",&a,&b,&c); //Dua cung luc 3 gia tri vao 3 bien a,b,c
62     cv = a + b + c;           //Tinh chu vi tam giac
63     p = cv / 2;
64     s = sqrt (p * (p - a) * (p - b) * (p - c)); //Tinh dien tich tam giac
65     printf("\nChu vi cua tam giac la: %.2f",cv); //In ket qua len man hinh
66     printf("\nDien tich cua tam giac la: %.2f",s);
67     getch();
68 }
69 /*****
70 *****/
71 /*Bai 5:
72 Chuong trinh nhap vao toa do hai diem (x1, y1) va (x2, y2)
73 a. Tinh he so goc cua duong thang di qua hai diem do.
74 b. Tinh khoang cach giua hai diem theo cong thuc
75 */
76
77 #include <stdio.h>
78 #include <conio.h>
79 #include <math.h>
80 void main()
81 {
82     float x1, x2, y1, y2, hesogoc, khoangcach;
83     clrscr();
84     printf("\nNhap vao toa do diem thu nhat (x1, y1):");
85     scanf("%f%f",&x1,&y1);
86     printf("\nNhap vao toa do diem thu hai (x2, y2):");
87     scanf("%f%f",&x2,&y2);
88     hesogoc = (y2 - y1) / (x2 - x1);
89     khoangcach = sqrt (pow ((y2 - y1),2) + pow ((x2 - x1),2));
90     printf("\nHe so goc: %.2f", hesogoc);
91     printf("\nKhoang cach: %.2f", khoangcach);
92     getch();
93 }
94 /*****
95 *****/
96 /*Bai 6:
97 Chuong trinh nhap vao 1 ky tu
98 a. In ra ma assci cua ky tu do
99 b. In ra ky tu ke tiep cua no.
100 */
101
102 #include <stdio.h>
103 #include <conio.h>
104 void main ()
105 {
106     char c;
107     clrscr();
108     printf("\nNhap vao 1 ky tu:");
109     scanf("%c", &c);
110     printf("\nMa Ascii cua ky tu %c la: %d", c, c); //Ma Ascii cua ki tu
111     printf("\nKy tu tiep tho cua ki tu %c la: %c", c, c+1); //Ky tu lien sau

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112     getch();
113 }
114 /*****
115 *****/
116 /*Bai 7:
117 Chuong trinh nhap vao cac gia tri cua dien tro R1, R2, R3 cua mot mach dien.
118 -> Tinh tong tro song song
119 -> Hien thi ket qua ra man hinh
120 */
121
122 #include <stdio.h>
123 #include <conio.h>
124 void main()
125 {
126     float r1, r2, r3, r;
127     clrscr();
128     printf("\nNhap r1 r2 r3:");
129     scanf("%f%f%f", &r1, &r2, &r3);
130     r = (r1 * r2 * r3) / (r1*r2 + r2*r3 + r3*r1);
131     printf("\nTong tro cua mach la: %.2f Ohm", r);
132     getch();
133 }
134 /*****
135 *****/
136 /*Bai 8:
137 Chuong trinh nhap vao diem ba mon Toan, Ly, Hoa cua mot hoc sinh.
138 -> Tinh diem trung binh cua hoc sinh do voi hai so le thap phan
139 */
140
141 #include <stdio.h>
142 #include <conio.h>
143
144 void main()
145 {
146     float toan, ly, hoa, dtb; //Khai bao bien
147     clrscr();
148     printf("\nNhap diem toan:");
149     scanf("%f", &toan);
150     printf("\nNhap diem ly:");
151     scanf("%f", &ly);
152     printf("\nNhap diem hoa:");
153     scanf("%f", &hoa);
154     dtb = (toan + ly + hoa) / 3;
155     printf("\nDiem trung binh la: %.2f", dtb);
156     getch();
157 }
158 /*****
159 *****/
160 /*Bai 9:
161 Chuong trinh nhap vao ngay, thang, nam.
162 -> In ra dinh dang ngay thang nam dd/mm/yy
163 */
164
165 #include <stdio.h>
166 #include <conio.h>
167

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168 void main()
169 {
170     int day, month, year;
171     clrscr();
172     printf("\n Nhap vao ngay:");
173     scanf("%d", &day);
174     printf("\nNhap vao thang:");
175     scanf("%d", &month);
176     printf("\nNhap vao nam:");
177     scanf("%d", &year);
178     printf("\nNgay thang nam vua nhap la: %d/%d/%d",day,month,year);
179     getch();
180 }
181 /*****
182 *****/
183 /*Bai 10:
184 Chuong trinh dao nguoc mot so nguyen duong co dung 3 chu so
185 */
186
187 #include <stdio.h>
188 #include <conio.h>
189 void main()
190 {
191     int num, donvi, chuc, tram;
192     clrscr();
193     printf("\nNhap vao 1 so co 3 chu so:");
194     scanf("%d", &num);
195     donvi = num % 10;
196     chuc = (num / 10) % 10;
197     tram = (num / 10) / 10;
198     printf("\nSo dao nguoc la: %d%d%d",donvi, chuc, tram);
199     getch();
200 }

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