2001210004 – Lưu Đức Vinh

Bài về nhà Tuần 1:

Bài 9:

#define \_CRT\_NONSTDC\_NO\_WARNINGS

#define \_CRT\_SECURE\_NO\_WARNINGS

#include <stdio.h>

#include <conio.h>

#include <math.h>

int main ()

{

float a, b, c, x1, x2, z;

do

{

printf("Nhap he so a (a != 0): "); scanf\_s("%f", &a);

printf("Nhap he so b: "); scanf\_s("%f", &b);

printf("Nhap he so c: "); scanf\_s("%f", &c);

}

while (!a);

printf("Phuong trinh bac 2: %.0fx^2 + (%.0fx) + (%.0f) = 0", a, b, c);

float delta = pow(b, 2) - (4\*a\*c);

if (delta < 0)

{

printf("\n=> Phuong trinh vo nghiem\n");

return 0;

}

else

if (delta == 0)

{

x1 = x2 = -b / (2\*a);

printf("\n=> Phuong trinh co nghiem kep: \n\t=> x1 = %.4f, x2 = %.4f\n", x1, x2);

return 1;

}

else

{

x1 = (-b + sqrt(delta)) / (2\*a);

x2 = (-b - sqrt(delta)) / (2\*a);

printf("\n=> Phuong trinh co 2 nghiem phan biet: \n\t=> x1 = %.4f, x2 = %.4f\n", x1, x2);

return 2;

}

return 3;

getch ();

}

Bài 11:

#define \_CRT\_NONSTDC\_NO\_WARNINGS

#define \_CRT\_SECURE\_NO\_WARNINGS

#include <stdio.h>

#include <conio.h>

int main ()

{

float toan, ly, hoa, van, anh, su, DTB;

printf("\tNhap vao diem thi tot nghiep THPT\n");

printf("Mon Toan: "); scanf\_s("%f", &toan);

printf("Mon Ly: "); scanf\_s("%f", &ly);

printf("Mon Hoa: "); scanf\_s("%f", &hoa);

printf("Mon Van: "); scanf\_s("%f", &van);

printf("Mon Anh: "); scanf\_s("%f", &anh);

printf("Mon Su: "); scanf\_s("%f", &su);

DTB = (toan + ly + hoa + van + anh + su) / 6;

printf("Diem trung binh: %.2f", DTB);

if (DTB >= 8.0 && toan > 6.5 && ly > 6.5 && hoa > 6.5 && van > 6.5 && anh > 6.5 && su > 6.5)

{

printf("Xep loai: GIOI");

}

else

if (DTB >= 7.0 && toan > 5.0 && ly > 5.0 && hoa > 5.0 && van > 5.0 && anh > 5.0 && su > 5.0)

{

printf("\tXep loai: KHA");

}

else

if (DTB >= 5.0 && toan > 3.5 && ly > 3.5 && hoa > 3.5 && van > 3.5 && anh > 3.5 && su > 3.5)

{

printf("\tXep loai: TB");

}

else

{

printf("\tXep loai: YEU");

}

printf("\n");

return 0;

getch ();

}

Bài 12:

#define \_CRT\_NONSTDC\_NO\_WARNINGS

#define \_CRT\_SECURE\_NO\_WARNINGS

#include <stdio.h>

#include <conio.h>

int main ()

{

float giovao, giora, tiengio1, tiengio2, tiengio3;

printf("\t----KARAOKE IDOL----\a\n--------------------------------");

printf("\n|Gio hoat dong: 10h - 24h |\n");

printf("|Don gia: 10h - 17h: 20.000/gio|\n");

printf("|\t 17h - 24h: 45.000/gio|\n");

printf("--------------------------------\n");

do

{

printf("\nGio vao: "); scanf\_s("%f", &giovao);

printf("Gio ra: "); scanf\_s("%f", &giora);

}

while (giovao < 10 || giora > 24);

tiengio1 = (giora - giovao) \* 20;

tiengio2 = (giora - giovao) \* 45;

tiengio3 = (17 - giovao) \* 20 + (giora - 17) \* 45;

printf("Gio hat: %.2fh", giora - giovao);

if (giovao >= giora)

{

printf("Vui long nhap gio vao < gio ra!\n");

}

else if (giora <= 17)

{

printf("\tTien gio: %.3f\n", tiengio1);

}

else

{

if (giovao <=17)

{

printf("\tTien gio: %.3f\n", tiengio3);

}

else

{

printf("\tTien gio: %.3f\n", tiengio2);

}

}

return 0;

getch ();

}

Bài 13:

#define \_CRT\_NONSTDC\_NO\_WARNINGS

#define \_CRT\_SECURE\_NO\_WARNINGS

#include <stdio.h>

#include <conio.h>

int main ()

{

int sodien;

printf("Nhap muc tieu thu dien trong thang: "); scanf\_s("%d", &sodien);

if (sodien <= 100)

{

printf("Tien dien su dung trong thang la: %d$\n", sodien \* 5);

}

else

if (sodien <= 150)

{

printf("Tien dien su dung trong thang la: %d$\n", (100 \* 5) + ((sodien - 100) \* 7));

}

else

if (sodien <= 200)

{

printf("Tien dien su dung trong thang la: %d$\n", (100 \* 5) + (50 \* 7) + ((sodien - 150) \* 10));

}

else

if (sodien <= 300)

{

printf("Tien dien su dung trong thang la: %d$\n", (100 \* 5) + (50 \* 7) + (50 \* 10) + ((sodien - 200) \* 15));

}

else

{

printf("Tien dien su dung trong thang la: %d$\n", (100 \* 5) + (50 \* 7) + (50 \* 10) + (100 \* 15) + ((sodien - 300) \* 20));

}

return 0;

getch ();

}

Bài 14:

#define \_CRT\_NONSTDC\_NO\_WARNINGS

#define \_CRT\_SECURE\_NO\_WARNINGS

#include <stdio.h>

#include <conio.h>

int main ()

{

int a, b, c;

printf("Nhap vao do dai canh a: "); scanf\_s("%d", &a);

printf("Nhap vao do dai canh b: "); scanf\_s("%d", &b);

printf("Nhap vao do dai canh c: "); scanf\_s("%d", &c);

if (a < b + c && b < a + c && c < a + b)

{

printf("-Day la 3 canh cua mot tam giac!\n");

if (a \* a == b \* b + c \* c || b \* b == a \* a + c \* c || c \* c == a \* a + b \* b)

printf("-Day la tam giac vuong\n");

else if (a == b && b == c)

printf("-Day la tam giac deu\n");

else if (a == b || a == c || b == c)

printf("-Day la tam giac can\n");

else if (a\*a > b\*b+c\*c || b\*b > a\*a+c\*c || c\*c > a\*a+b\*b)

printf("-Day la tam giac tu\n");

else

printf("-Day la tam giac nhon\n");

}

else

printf("-Ba canh a, b, c khong phai la ba canh cua mot tam giac!\n");

return 0;

getch ();

}