Bài 15:

#define \_CRT\_NONSTDC\_NO\_WARNINGS

#define \_CRT\_SECURE\_NO\_WARNINGS

#include <stdio.h>

#include <conio.h>

int main ()

{

float n;

long double tong = 0;

do

{

printf("Nhap n (n >= 1): "); scanf\_s("%f", &n);

}

while (n < 1);

for (int i = 1; i <= n; i++)

{

tong = tong + (float)(1.0 / i);

}

printf("Cong thuc tinh tong: 1/1 + 1/2 + 1/3 + ... + 1/n\n");

printf("KQ la: %.2lf\n", tong);

return 0;

getch ();

Bài 16:

#define \_CRT\_NONSTDC\_NO\_WARNINGS

#define \_CRT\_SECURE\_NO\_WARNINGS

#include <stdio.h>

#include <conio.h>

int main ()

{

float n;

long double tong = 1.0;

do

{

printf("Nhap n (n >= 1): "); scanf\_s("%f", &n);

}

while (n < 1);

for (int i = 1; i <= n; i++)

{

tong = tong + (float)(1.0 / ((2.0 \* i) + 1.0));

}

printf("Cong thuc tinh tong: 1 + 1/3 + 1/5 + ... + 1/(2n+1)\n");

printf("KQ la: %.4lf\n", tong);

return 0;

getch ();

}

Bài 17:

#define \_CRT\_NONSTDC\_NO\_WARNINGS

#define \_CRT\_SECURE\_NO\_WARNINGS

#include <stdio.h>

#include <conio.h>

int main ()

{

float n;

long double tong = 0;

do

{

printf("Nhap n (n >= 1): "); scanf\_s("%f", &n);

}

while (n < 1);

for (int i = 1; i <= n; i++)

{

tong = tong + (float)(1.0 / (i \* (i + 1.0)));

}

printf("Cong thuc tinh tong: 1/1\*2 + 1/2\*3 + ... + 1/n\*(n+1)\n");

printf("KQ la: %.4lf\n", tong);

return 0;

getch ();

}

Bài 18:

#define \_CRT\_NONSTDC\_NO\_WARNINGS

#define \_CRT\_SECURE\_NO\_WARNINGS

#include <stdio.h>

#include <conio.h>

int main ()

{

float n;

long double tong = 0;

do

{

printf("Nhap n (n >= 1): "); scanf\_s("%f", &n);

}

while (n < 1);

for (int i = 1; i <= n; i++)

{

tong = tong + (float)(i / (i + 1.0));

}

printf("Cong thuc tinh tong: 1/2 + 2/3 + ... + n/(n+1)\n");

printf("KQ la: %.2lf\n", tong);

return 0;

getch ();

}

Bài 19:

#define \_CRT\_NONSTDC\_NO\_WARNINGS

#define \_CRT\_SECURE\_NO\_WARNINGS

#include <stdio.h>

#include <conio.h>

int main ()

{

float n;

long double tong = 0;

do

{

printf("Nhap n (n >= 0): "); scanf\_s("%f", &n);

}

while (n < 0);

for (int i = 0; i <= n; i++)

{

tong = tong + ((2.0 \* i + 1.0) / (2.0 \* i + 2.0));

}

printf("Cong thuc tinh tong: 1/2 + 3/4 + ... + 2n+1/2n+2\n");

printf("KQ la: %.4lf\n", tong);

return 0;

getch ();

}

Bài 20:

#define \_CRT\_NONSTDC\_NO\_WARNINGS

#define \_CRT\_SECURE\_NO\_WARNINGS

#include <stdio.h>

#include <conio.h>

#include <math.h>

int main ()

{

long double x, n, T;

printf("Nhap x: "); scanf\_s("%lf", &x);

printf("Nhap n: "); scanf\_s("%lf", &n);

T = pow(x,n);

printf("Cong thuc tinh T(%.0lf,%.0lf) = %.0lf^%.0lf\n", x, n, x, n);

printf("KQ la: %.0lf\n", T);

return 0;

getch ();

}

Bài 21:

#define \_CRT\_NONSTDC\_NO\_WARNINGS

#define \_CRT\_SECURE\_NO\_WARNINGS

#include <stdio.h>

#include <conio.h>

#include <math.h>

int main ()

{

int n, i;

float x, s;

s = 0;

printf("Nhap x: "); scanf\_s("%f", &x);

printf("Nhap n: "); scanf\_s("%d", &n);

for (i = 1; i <= n; i++)

{

s = s + pow(x,i);

}

printf("Cong thuc tinh S(%.0f,%d): x + x^2 + x^3 + ... + x^n\n", x, n);

printf("KQ la: %.2f\n", s);

return 0;

getch ();

}

Bài 22:

#define \_CRT\_NONSTDC\_NO\_WARNINGS

#define \_CRT\_SECURE\_NO\_WARNINGS

#include <stdio.h>

#include <conio.h>

#include <math.h>

int main ()

{

int n;

float x, s;

s = 0;

printf("Nhap x: "); scanf\_s("%f", &x);

printf("Nhap n: "); scanf\_s("%d", &n);

for (int i = 1; i <= n; i++)

{

s = s + (float)(pow(-1.0, i) \* pow(x, i));

}

printf("Cong thuc tinh S(%.0f,%d): -x + x^2 - x^3 + ... + (-1)^n \* x^n\n", x, n);

printf("KQ la: %.2f\n", s);

return 0;

getch ();

}

Bài 23.1:

#define \_CRT\_NONSTDC\_NO\_WARNINGS

#define \_CRT\_SECURE\_NO\_WARNINGS

#include <stdio.h>

#include <conio.h>

int main ()

{

int n, i, dem;

dem = 0;

printf("Nhap n: "); scanf\_s("%d", &n);

printf("Cac so chan tu 1 den %d la: ", n);

for (i = 1; i <= n; i++)

{

if (i % 2 == 0)

{

printf("%d ", i);

dem++;

}

}

printf("\nSo luong so chan tu 1 den %d: co %d so chan\n", n, dem);

return 0;

getch ();

}

Bài 23.3:

#define \_CRT\_NONSTDC\_NO\_WARNINGS

#define \_CRT\_SECURE\_NO\_WARNINGS

#include <stdio.h>

#include <conio.h>

int main ()

{

int s;

s = 0;

for (int i = 10; i < 100; i++)

{

if (i % 2 == 0)

s = s + i;

}

printf("Tong cac so chan co 2 chu so nho hon 100 la: %ld\n", s);

return 0;

getch ();

}

Bài 23.4:

#define \_CRT\_NONSTDC\_NO\_WARNINGS

#define \_CRT\_SECURE\_NO\_WARNINGS

#include <stdio.h>

#include <conio.h>

int main ()

{

int i, dem;

dem = 0;

printf("Cac so la boi so cua 3 la: \n");

for (i = 10; i <= 99; i++)

{

if (i % 3 == 0)

{

printf("%d ", i);

dem++;

}

}

printf("\nSo luong so la boi so cua 3 va co 2 chu so la: %d\n", dem);

return 0;

getch ();

}

Bài 23.5

#define \_CRT\_NONSTDC\_NO\_WARNINGS

#define \_CRT\_SECURE\_NO\_WARNINGS

#include <stdio.h>

#include <conio.h>

int main ()

{

int N, a, b;

do

{

printf("Nhap N: "); scanf\_s("%d", &N);

printf("Nhap [a,b] (b > a): "); scanf\_s("%d%d", &a, &b);

}

while (b < a);

printf("Cac uoc cua %d thuoc khoang [%d,%d] gom: ", N, a, b);

for (int i = a; i <= b; i++)

{

if (N % i == 0)

{

printf("%d ", i);

}

}

printf("\n");

return 0;

getch ();

}

Bài 23.6:

#define \_CRT\_NONSTDC\_NO\_WARNINGS

#define \_CRT\_SECURE\_NO\_WARNINGS

#include <stdio.h>

#include <conio.h>

int main ()

{

printf("Cac so co 3 chu so va tong 3 so la so chan: ");

for (int a = 1; a <= 9; a++)

{

for (int b = 0; b <= 9; b++)

{

for (int c = 0; c <= 9; c++)

if ((a + b + c) % 2 == 0)

printf(" %d%d%d", a, b, c);

}

}

return 0;

getch ();

}

Bài 23.7:

#define \_CRT\_NONSTDC\_NO\_WARNINGS

#define \_CRT\_SECURE\_NO\_WARNINGS

#include <stdio.h>

#include <conio.h>

int main ()

{

int i;

printf("Cac so co 3 chu so khac nhau doi mot la:\n");

for (i = 1; i <= 9; i++)

{

for (int k = 0; k <= 9; k++)

{

for (int j = 0; j <= 9; j++)

if (i != k && k != j && i != j)

printf("%d%d%d\n", i, k, j);

}

}

return 0;

getch ();

}