1、

#include<stdio.h>

void main()

{

int a[20] = { 1,1 }, i, j, s = 0,k;

printf("请选择使用数组法或者迭代法，0、数组法 1、迭代法\n 输入方法序号:\n");

scanf\_s("%d", &k);

if (k == 0)

{

for (i = 2; i <= 19; i++)

a[i] = a[i - 1] + a[i - 2];

for (j = 0; j <= 19; j++)

{

printf("%4d ", a[j]);

s = s + 1;

if (s % 5 == 0)printf("\n");

}

}

if (k == 1)

{

int b = 1, c = 1,t,d,r=2;

printf("%4d %4d ", b, c);

for (d = 0; d <= 17; d++)

{

t = b;

b = b + c;

c = t;

printf("%4d ",b);

r = r + 1;

if (r % 5 == 0)printf("\n");

}

}

}

2、

#include<stdio.h>

#include<stdlib.h>

#include<time.h>

void main()

{

int a[10], i, j, m, n, k,s=0,t=0,sum=0;

srand(time(NULL));

for (i = 0; i <= 9; i++)

{

a[i] = rand()%100+1;

}

do

{

for (m = 0; m <= 9; m++)

{

for (n = 0; n < 9 - m; n++)if (a[n] > a[n + 1])

{

k = a[n + 1];

a[n + 1] = a[n];

a[n] = k;

}

}

for (m = 0; m < 9; m++)if (a[m] == a[m + 1])

{

a[m] = rand()%100+1;

s = s + 1;

}

if (s > 0)t = 1;

else t = 0;

} while (t);

for (i = 0; i <= 9; i++)

{

printf("%d ", a[i]);

sum += a[i];

}

printf("\n最大值为%d,平均值为%.1f", a[9],sum/10.0);

}

3、

#include<stdio.h>

void main()

{

int r[100],s;

int a,i,t;

scanf\_s("%d", &a);

t = a;

for (i = 0;a>0; i++)

{

r[i] = a % 2;

a = a / 2;

}

for (i = 99; i >= 0; i--)if (r[i] == 1)

{

s = i;

break;

}

printf("二进制为");

for(i=s;i>=0;i--)printf("%d", r[i]);

printf(" 八进制为%o 十六进制为%x", t,t);

}