1.

#include <iostream> \_

using namespace std;

int main()

{

int a=0,a0,b,i,c=0;

cout <<"Please enter the three digits you want to check"<< endl ;

while( a<100||a>999)

{

cin >> a;

if( a<100||a>999)

cout <<"The number you entered may be wrong, please check"<< endl <<"Please re-enter"<< endl ;

}

a0=a;

for( i =0;i<3;i++)

{

b=a%10;

c +=b\*b\*b;

a=a/10;

}

if( c==a0)

cout <<a0<<"is the number of daffodils"<< endl ;

else

cout <<a0<<"not the number of daffodils"<< endl ;

}

2.

#include <iostream> \_

#include <iomanip> \_

#include < math.h >

using namespace std;

int main()

{

int i , j , flag , k = 0 ;

for ( i = 3 ; i <= 100 ; i ++ )

{

flag = 0;

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

{

if ( ! ( i % j ) )

{

flag = 1;

break;

}

}

if ( flag == 0 )

{

k ++;

cout << setw ( 3 ) << i ;

if ( k % 8 == 0 )

cout << endl ;

}

}

return 0 ;

}

3.

#include <iostream> \_

#include <iomanip> \_

using namespace std;

int main()

{

int a = 0 , b = 0 , c1 , c2 ;

while ( a < 3 && b < 3 )

{

cin >> c1 >> c2 ;

switch ( c1 )

{

case 1:

cout << setw ( 6 ) << "stone" ;

break;

case 2:

cout << setw ( 6 ) << "Scissors" ;

break;

case 3:

cout << setw ( 6 ) << "cloth" ;

break;

default :

;

}

switch ( c2 )

{

case 1:

cout << setw ( 6 ) << "stone" ;

break;

case 2:

cout << setw ( 6 ) << "Scissors" ;

break;

case 3:

cout << setw ( 6 ) << "cloth" ;

break;

default :

;

}

cout << endl ;

if ( c1 == c2 )

continue;

if ( c1 == 1 && c2== 2 || c1 == 2 && c2 == 3 || c1 == 3 && c2 == 1 )

a ++ ;

else

b ++;

}

if ( a == 3 )

cout << "Child 1 wins" << endl ;

if ( b == 3 )

cout << "Kid 2 wins" << endl ;

return 0 ;

}

4.

#include <iostream> \_

using namespace std;

int main()

{

int m= 0 , vg= 3 , vr = 9 , sg , sr , s , station = 0 , sleep = 0 , run = 0 ;

cout << "Please enter the runway length";

cin >> s;

while ( sg < s && sr < s )

{

if ( station == 1 )

{

sleep ++;

m ++;

sg += vg ;

if ( sleep == 30 )

{

station = 0;

sleep = 0;

}

}

else

{

m ++;

run ++ ;

sg += vg ;

sr += vr ;

if ( run == 10 )

{

run = 0;

if ( sr > sg )

station = 1;

}

}

}

if ( sr < sg )

cout << "Rabbit wins" << endl ;

else if ( sr > sg )

cout << "Turtle wins" << endl ;

else

cout << "tie" << endl ;

return 0 ;

}

5.

#include <iostream> \_

#include <iomanip> \_

using namespace std;

int main()

{

cout << "can buy" << endl ;

int j , x ;

for ( j = 1 ; j < 8 ; j ++ )

{

for ( x = 1 ; x < 13 ; x ++ )

{

if ( 50 - 4 \* x - 5 \* j <= 0 )

break;

if ( ! ( ( 50 - 4 \* x - 5 \* j ) % 3 ) )

cout << "tomato" << x << "jin; leek" << j << "jin; cucumber" << ( 50 - 4 \* x - 5 \* j ) / 3 << "jin" << endl ;

}

}

return 0 ;

}

6.

#include <iostream> \_

#include <iomanip> \_

#include <fstream> \_

using namespace std;

int main()

{

int zs =0,fs=0,l=0,n;

int t;

int i ;

ifstream a;

cin >> n;

a.open ( "c:\\in.txt");

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

{

if( a. eof()==1)

{

cout <<"The value you entered is greater than the number of numbers in the file\n";

break ;

}

a>>t;

if( t>0) zs ++;

if( t<0) fs ++;

if( t==0) l++;

}

cout <<"The number of zeros in this file is"<<l<< endl ;

cout <<"The number of positive numbers in this file is"<< zs << endl ;

cout <<"The number of negative numbers in this file is"<< fs << endl ;

a. close ( );

}

7.

#include <iostream> \_

using namespace std;

int main()

{

int i,j ;

int a[100];

int b;

cout << "Please enter the decimal integer value you want to convert";

cin >> b;

for( i =0;b>0;b=b/2,i++)

{

a[ i ]=b%2;

}

cout << "The corresponding binary number is ";

for( j=i-1;j>=0;j--)

cout << a[j];

}

8.

#include <iostream> \_

using namespace std;

int main()

{

int i,j,k,l ;

int flag,fl ;

int sum;

int t;

int f1,f2,f3,f4;

for( i =1;i<=10;i++)

{

for( j= i;j <=13;j++)

{

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

{

flag = 0;

l=40-ijk;

if( l<=0)

continue ;

for( t=1;t<=40;t++)

{ fl = 0;

for( f1=-1;f1<=1;f1++)

{ for( f2=-1;f2<=1;f2++)

{ for( f3=-1;f3<=1;f3++)

{ for( f4=-1;f4<=1;f4++)

{

sum= f1\*i+f2\*j+f3\*k+f4\*l;

if( sum==t)

fl = 1;

}

}

}

}

if( fl==1)

flag ++;

}

if( flag==40)

cout << i << endl <<j<< endl <<k<< endl <<l<< endl ;

}

}

}

}