Task 1

Write a program to calculate the max and min of 5 numbers from user ?

****

Task 2

Write a program to receive numbers from user, and exit when sum >100

****

Task 3

Write a program that solve the second degree equation:

ax^2 +bx+c=0   a, b, c   2roots x1 , x2

a=1

b= 2

c=4

x1 = - b + sqrt((b*b)-4*a*c)/2*a

x2 = - b - sqrt((b*b)-4*a*c)/2*a

b*b-4*a*c

if(+ve)

x1 = - b + sqrt((b*b)-4*a*c)/2*a

x2 = - b - sqrt((b*b)-4*a*c)/2*a

b*b-4*a*c

if –ve

(b*b-4*a*c)*-1

X1 = real + imagery

     = real   -b/2a +

          Imaginary sqrt((b*b)-4*a*c)/2*a

X2 = real - imagery

          -b/2a   - imaginary part (sqrt((b*b)-4*a*c)/2*a)

If ==0

X1=x2 = -b/2a

****

****

Task 4 Magic box

Task 5

Write a program to display

1 print

2 edit

3 save

If user choose 4 then exit

Tinary operator (?)

Int y =50;

Int z =0;

(condition) ? true : false

(x==10)? x=y:x=z

R=1 c=1 6	R=1 C=2 1	R=1 C=3 8
R=2 c=1 7	R=2 c=2 5	R=2 c=3 3
R=3 c=1 2	R=3 c=2 9	R=3 c=3 4

R=1 c=1 6

R=2 c=1 7

R=3 c=1 2

R=1 c=2 1

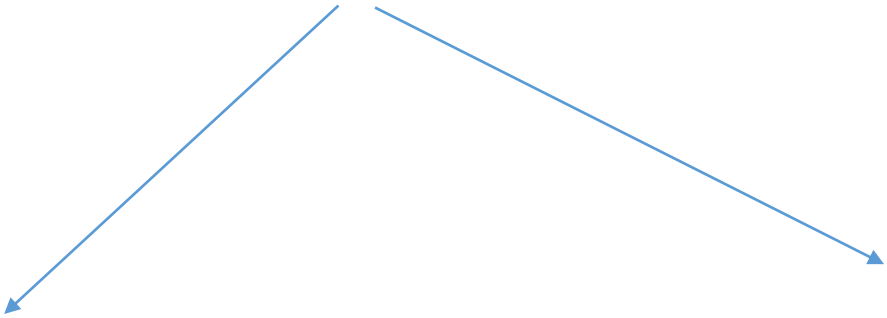
Numbers from 1 to size*size ? size= 3

From 1 to 9 (size*size)

Number 1 R=1 c=(size+1) /2

Numbers from 2 to size*size

If (Number -1 % size)



yes remainder **no remainder**

r - -

c - -

if r<1 r=size

if c< 1 c=size

no remainder

r++

c =c

if r>size r=1

if c> size c=1

gotoxy () print on screen in a specific position

```
void gotoxy1(int x, int y)
{
	COORD coord;
	coord.X = x;
	coord.Y = y;
	SetConsoleCursorPosition(GetStdHandle(STD_OUTPUT_HANDLE)
, coord);
}
```

You just include Windows.h library and write the function before the main function for now.