



NCKUEE freshman camp

# for - loop

Example :

```
for(int i ; i < 10 ; i ++ ) {  
    // do what you want ...  
    // ex . cout << i << endl ;  
}
```

$$9 * 9$$

c:\Users\KID\Documents\Visual Studio 2008\Projects\99\Debug\99.exe

```
1*1=1      4*1=4      7*1=7
1*2=2      4*2=8      7*2=14
1*3=3      4*3=12     7*3=21
1*4=4      4*4=16     7*4=28
1*5=5      4*5=20     7*5=35
1*6=6      4*6=24     7*6=42
1*7=7      4*7=28     7*7=49
1*8=8      4*8=32     7*8=56
1*9=9      4*9=36     7*9=63

2*1=2      5*1=5      8*1=8
2*2=4      5*2=10     8*2=16
2*3=6      5*3=15     8*3=24
2*4=8      5*4=20     8*4=32
2*5=10     5*5=25     8*5=40
2*6=12     5*6=30     8*6=48
2*7=14     5*7=35     8*7=56
2*8=16     5*8=40     8*8=64
2*9=18     5*9=45     8*9=72

3*1=3      6*1=6      9*1=9
3*2=6      6*2=12     9*2=18
3*3=9      6*3=18     9*3=27
3*4=12     6*4=24     9*4=36
3*5=15     6*5=30     9*5=45
3*6=18     6*6=36     9*6=54
3*7=21     6*7=42     9*7=63
3*8=24     6*8=48     9*8=72
3*9=27     6*9=54     9*9=81
```

# code

```
#include <iostream>
using namespace std ;

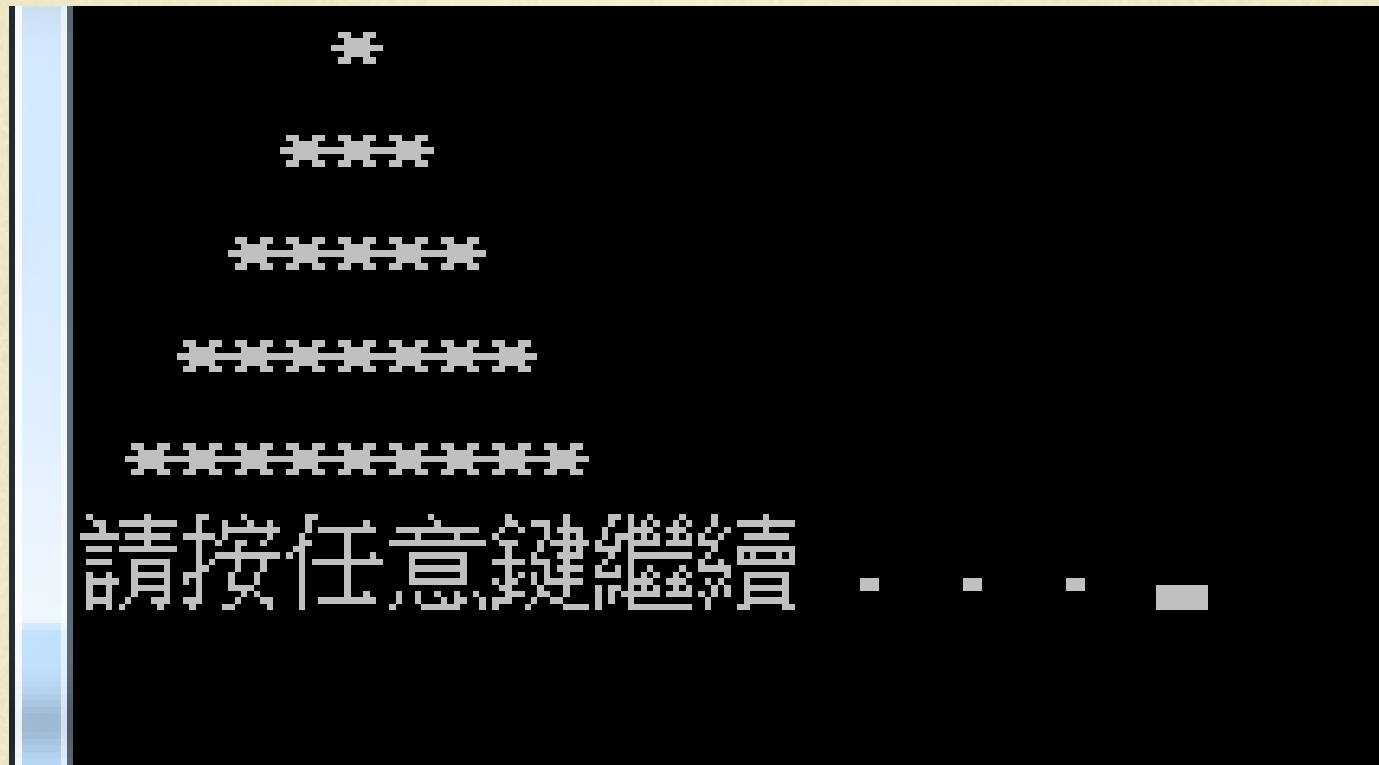
int main(){
    for(int i = ; i <= ; i ++){
        for(){
            cout<<i<<"*"<<j<<" " <<i*j<<endl;
        }
        cout<<endl;
    }
    system("PAUSE");
}
```

# code

```
#include <iostream>
using namespace std ;

int main(){
    for(int i = 1 ; i <= 9 ; i ++){
        for(int j = 1 ; j <= 9 ; j ++){
            cout<<i<<"*"<<j<<"="<<i*j<<endl;
        }
        cout<<endl;
    }
    system("PAUSE");
}
~
```

# Little Stars



# code

```
using namespace std ;  
  
int main(){  
    int height , level ;  
  
    cout<<"請輸入高度:";  
    // 加入輸入值 輸入至height ;  
    level = ;  
    //level 為初始星星數  
  
    for(int i = height; i >= 1 ; i -- ){  
        for(int space = 1 ; space <= ; space ++){  
            // space 的判斷值應該是...?  
            cout<<" ";  
        }  
        for(; stars <= level ;){  
            //完成上行for-loop  
            cout<<"*" ;  
        }  
        level += ;  
        //level 的變化量應該是...?  
        cout<<endl;  
    }  
}
```

```
using namespace std ;

int main(){
    int height , level ;

    cout<<"請輸入高度:";
    cin>>height ;
    level = 1;

    for(int i = height; i >= 1 ; i -- ){

        for(int space = 1 ; space <= i ; space ++){
            cout<<" ";
        }
        for(int stars = 1 ; stars <= level ; stars ++){
            cout<<"*" ;
        }
        level += 2 ;
        cout<<endl;
    }
    system("PAUSE");
    return 0 ;
}
~
~
```