

Activity 3 and 4

1. Week names

```
#include<stdio.h>

#include<conio.h>

void main()
{
    int n;

    printf("enter the number 1-7");

    scanf("%d",&n);

    switch(n)
    {
        case 1:

            printf("\n monday");

            break;

        case 2:

            printf("\n tuesday");

            break;

        case 3:
```

```
printf("\n wednesday");
```

```
break;
```

case 4:

```
printf("\n thursday");
```

```
break;
```

case 5:

```
printf("\n friday");
```

```
break;
```

case 6:

```
printf("\n saturday");
```

```
break;
```

case 7:

```
printf("\n sunday");
```

```
break;
```

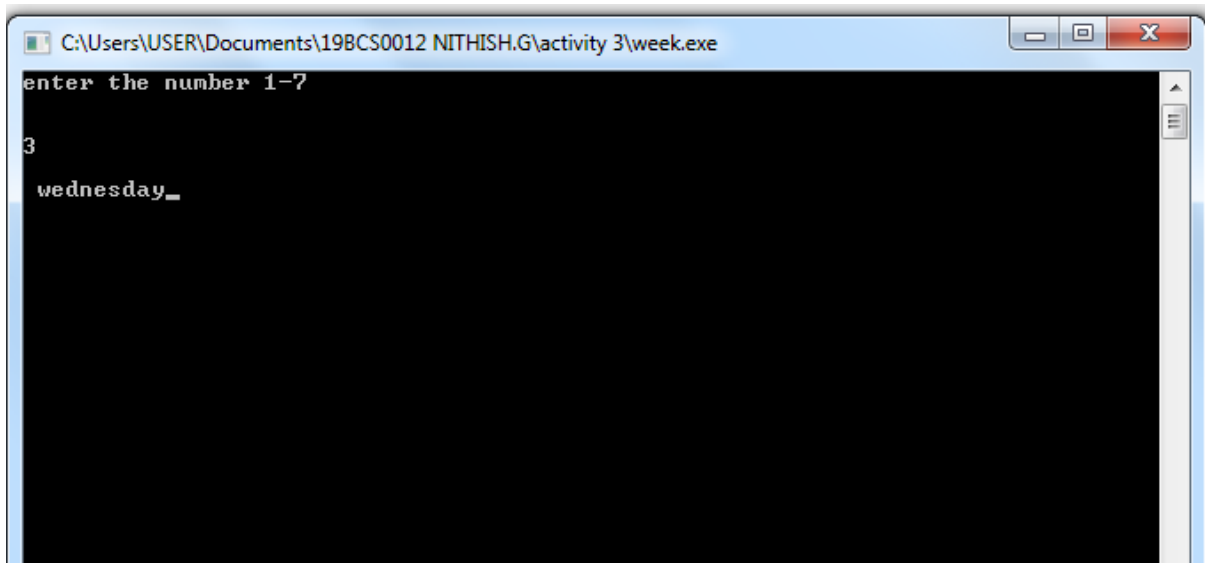
default:

```
printf("invalid");
```

```
}
```

```
getch();
```

```
}
```



2.Total and grade

```
#include<stdio.h>
```

```
#include<conio.h>
```

```
void main()
```

```
{
```

```
int
```

```
result,percentage,total,phy,che,math,bio,eng,five_hundred=  
500;
```

```
printf("enter the marks phy,che,math,bio,eng");
```

```
scanf("%d%d%d%d%d",&phy,&che,&math,&bio,&eng);
```

```
total=phy+che+math+bio+eng;
```

```
printf("total_marks%d",total);

percentage=total/5;

printf("\nthe percentage is %d\\%",percentage);

if(percentag>=90)

printf("\ngrade A");

else

    if(percentag>=80)

printf("\ngrade B");

else

    if(percentag>=70)

printf("\ngrade c");

else

    if(percentag>=60)

printf("\ngrade d");

else

    if(percentag>=40)

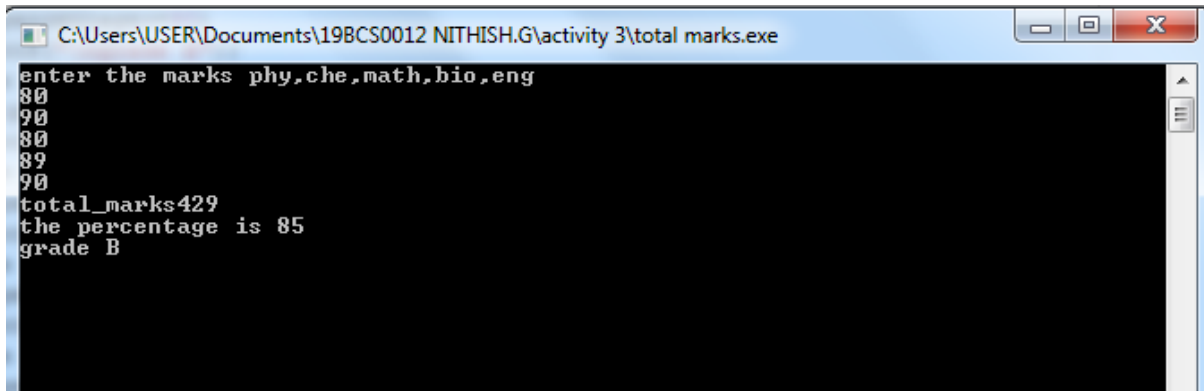
printf("\ngrade e");

else

printf("\ngrade f");
```

```
getch();
```

```
}
```



```
C:\Users\USER\Documents\19BCS0012 NITHISH.G\activity 3\total marks.exe
enter the marks phy,che,math,bio,eng
80
90
80
89
90
total_marks429
the percentage is 85
grade B
```

4.Minimum no

```
#include<stdio.h>
```

```
#include<conio.h>
```

```
void main()
```

```
{
```

```
    int a,b;
```

```
    printf("enter the two number");
```

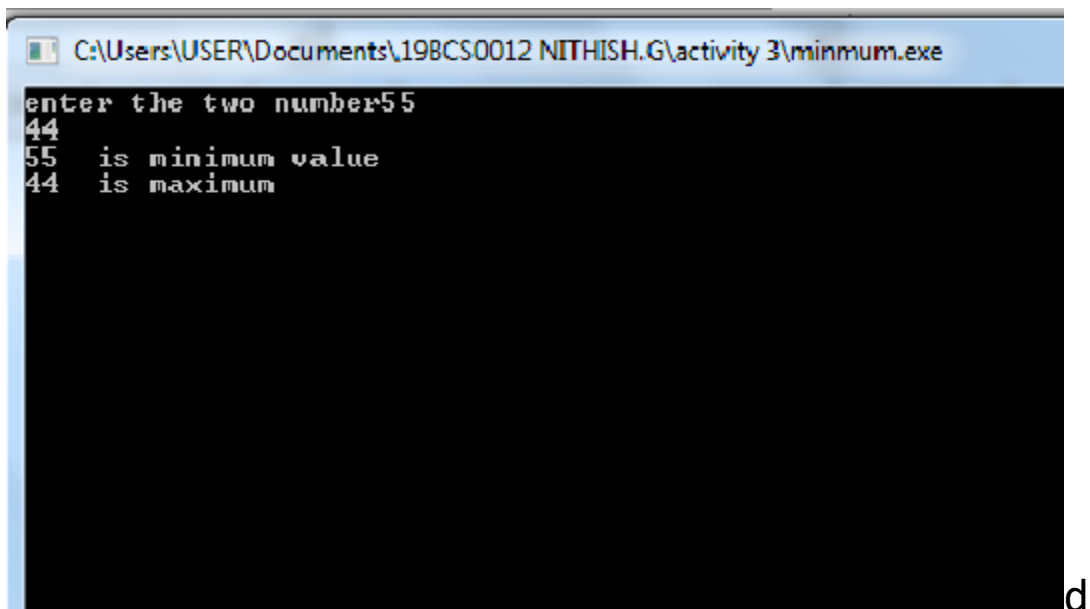
```
    scanf("%d%d",&a,&b);
```

```
    (a<b)?a:b;
```

```
    printf("%d is minimum value ",a);
```

```
    (a>b)?a:b;
```

```
printf("\n%d is maximum ",b);  
getch();  
}
```



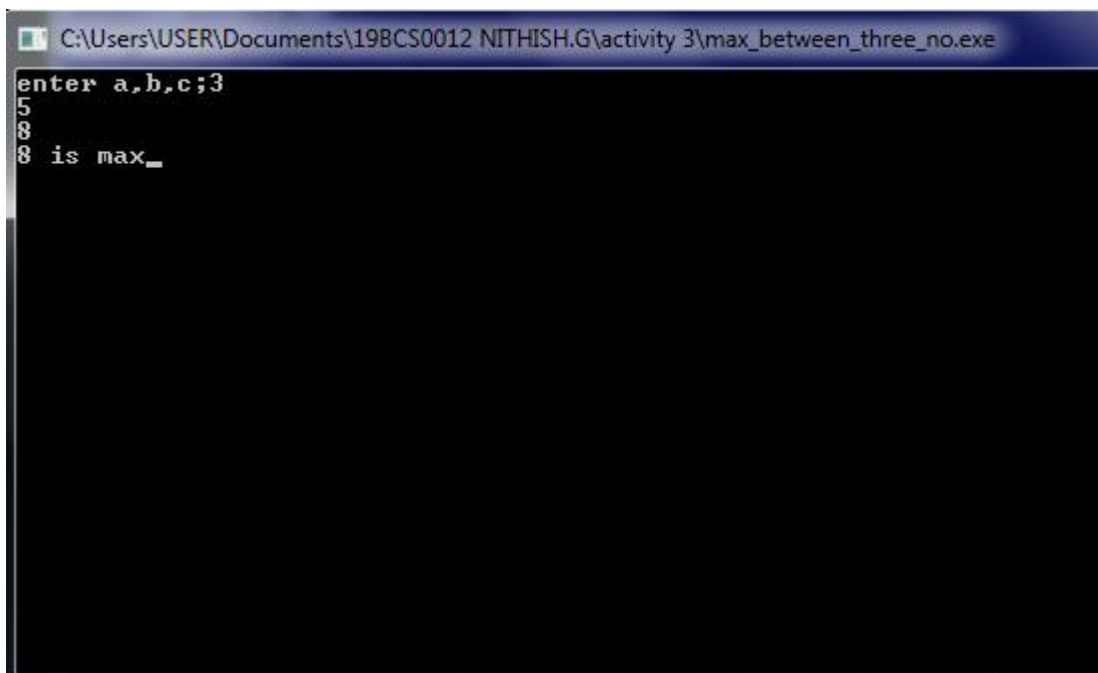
```
C:\Users\USER\Documents\19BCS0012 NITHISH.G\activity 3\minmum.exe  
enter the two number55  
44  
55 is minimum value  
44 is maximum
```

5.Maximum no between three no

```
#include<stdio.h>  
#include<conio.h>  
void main()  
{  
    int a,b,c,max;  
    printf("enter a,b,c;");  
    scanf("%d%d%d",&a,&b,&c);  
    if(a>b && a>c)  
    {
```

```
        printf("%d is maximumx",a);  
    }
```

```
    if(b>c&& b>a)  
    {  
        printf("%d is max",b);  
  
    }  
    else  
    {  
        printf("%d is max",c);}   
  
    getch();  
}
```



```
C:\Users\USER\Documents\19BCS0012 NITHISH.G\activity 3\max_between_three_no.exe
enter a,b,c;3
5
8
8 is max_
```

Calculator operators

```
#include<stdio.h>
```

```
#include<conio.h>
```

```
void main()
```

```
{
```

```
    int n,n1,n2,k;
```

```
    printf("enter the two values");
```

```
    scanf("%d%d",&n1,&n2);
```

```
    printf("for addtion enter 1 \n subration 2 \n division 3\n
multiply 4 \n modulus 5 \n ");
```

```
    scanf("%d",&n);
```



```
switch(n)
{

case 1:

    n=n1+n2;

    printf("the addion of two values is %d",n);

    break;

case 2:

    n=n1-n2;

    printf("the subration of two values is %d",n);

    break;

case 3:

    n=n1/n2;

    printf("divion of two numbers is %d",n);

    break;

case 4:

    n=n1*n2;

    printf("mul of two numbers is %d",n);

    break;
```

case 5:

```
n=n1%n2;
```

```
printf("reminder of two numbers is %d",n);
```

```
break;
```

default:

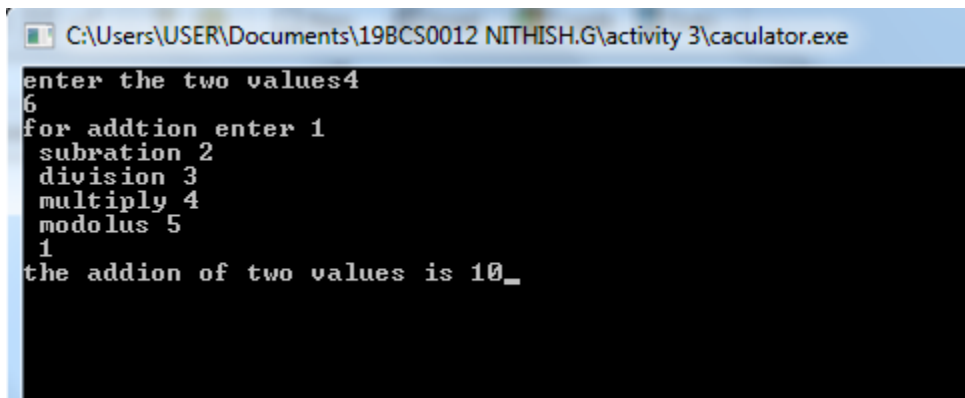
```
printf("invalid input");
```

```
break;
```

```
}
```

```
getch();
```

```
}
```



```
C:\Users\USER\Documents\19BCS0012 NITHISH.G\activity 3\caculator.exe
enter the two values4
6
for addition enter 1
subration 2
division 3
multiply 4
modolus 5
1
the addition of two values is 10_
```

Activity4

1. Prime no

```
#include<stdio.h>

void main()

{

    int n,m,i,p;

    printf("enter the number");

    scanf("%d",&n);

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

    {

        if(n%i==0)

        {

            p++;

        }

    }

    if(p==2)

    {

        printf("enter the number is %d\n "\

        "it is prime number",n);

    }

    else
```

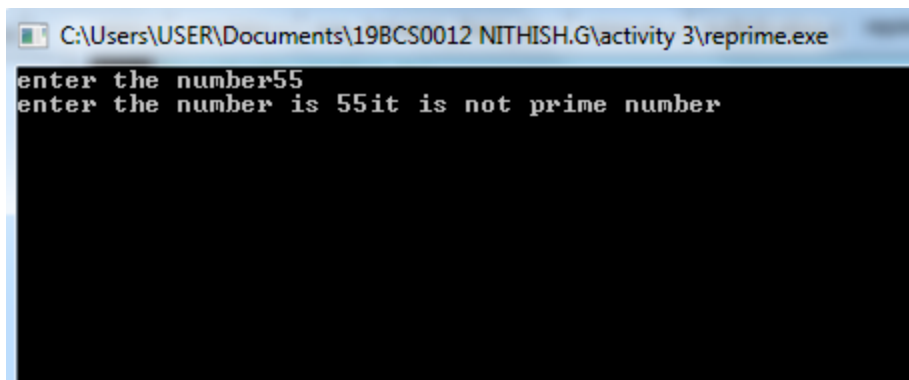
```

{
    printf("enter the number is %d"\
    "it is not prime number",n);

}

getch();
}

```



```

C:\Users\USER\Documents\19BCS0012 NITHISH.G\activity 3\reprime.exe
enter the number55
enter the number is 55it is not prime number

```

2.even no.s

```

#include<stdio.h>

void main()
{
    int i;

```

```
for(i=1;i<=100;i++)
```

```
if(i%2==0)
```

```
printf("\nit is even %d",i);
```

```
getch();
```

```
}
```

```
C:\Users\USER\Documents\19BCS0012 NITHISH.G\activity 4\even numbers between 1 to 100.exe
it is even 2
it is even 4
it is even 6
it is even 8
it is even 10
it is even 12
it is even 14
it is even 16
it is even 18
it is even 20
it is even 22
it is even 24
it is even 26
it is even 28
it is even 30
it is even 32
it is even 34
it is even 36
it is even 38
it is even 40
it is even 42
it is even 44
it is even 46
it is even 48
it is even 50
it is even 52
it is even 54
it is even 56
it is even 58
it is even 60
it is even 62
it is even 64
it is even 66
it is even 68
it is even 70
it is even 72
it is even 74
it is even 76
it is even 78
it is even 80
it is even 82
it is even 84
it is even 86
it is even 88
it is even 90
it is even 92
it is even 94
it is even 96
it is even 98
it is even 100_
```

3.factorials

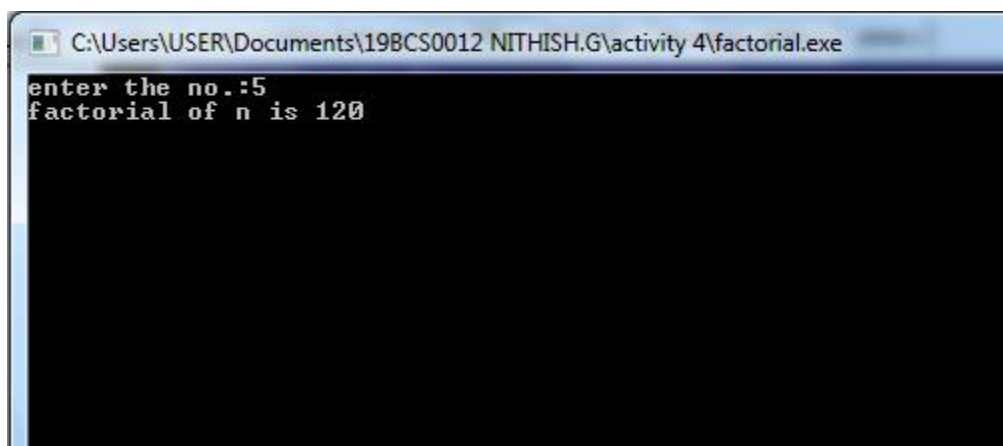
```
#include<stdio.h>
```

```
void main()
```

```
{
```

```
    int n,i,fact=1;
```

```
printf("enter the no.:");  
scanf("%d",&n);  
for(i=1;i<=n;i++)  
    fact=i*fact;  
printf("factorial of n is %d ",fact);  
getch();  
}
```



4.Fibonacci series

```
#include<stdio.h>
```

```
void main()
```

```
{
```

```
    int n,i,a=0,b=1,c;
```

```
    printf("enter the number(n>2):");
```

```

scanf("%d",&n);

printf("fibanocci series :0 1 ");

for (i=1;i<=n-2;i++)
{
    c=a+b;

    a=b;

    b=c;

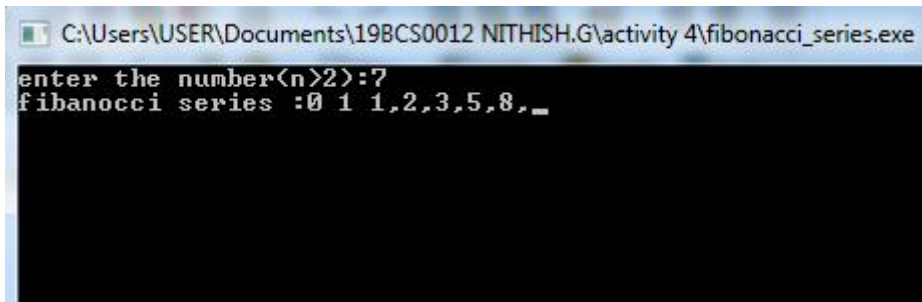
    printf("%d\\",c);

}

getch();

}

```



```

C:\Users\USER\Documents\19BCS0012 NITHISH.G\activity 4\fibonacci_series.exe
enter the number<n>2>:7
fibanocci series :0 1 1,2,3,5,8,_

```

5.Reverse positive integer

```
#include<stdio.h>
```

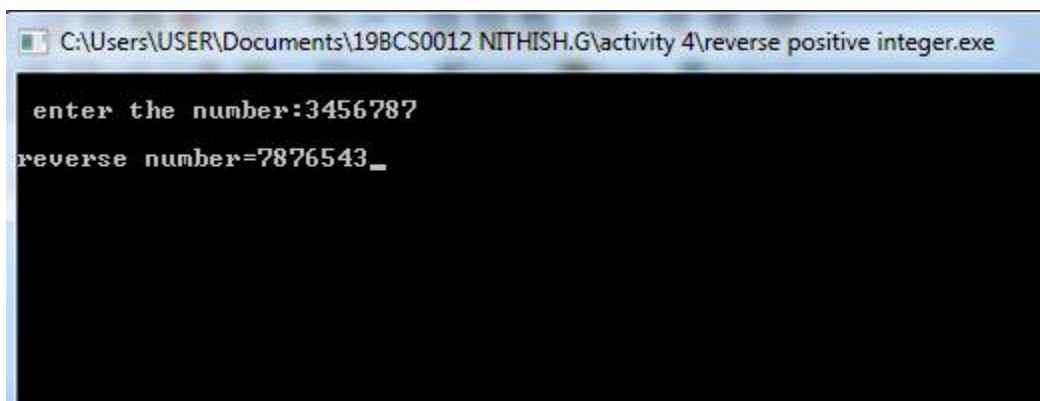
```
void main()
```

```
{
```

```
    int n,r,rev=0;
```



```
printf("\n enter the number:");  
scanf("%d",&n);  
while(n!=0)  
{  
    r=n%10;  
    rev=rev*10+r;  
    n=n/10;  
}  
printf("\nreverse number=%d",rev);  
getch();  
}
```



The screenshot shows a Windows command prompt window with the title bar text "C:\Users\USER\Documents\19BCS0012 NITHISH.G\activity 4\reverse positive integer.exe". The command prompt displays the following text:
enter the number:3456787
reverse number=7876543_

6. Armstrong

```
#include<stdio.h>
```

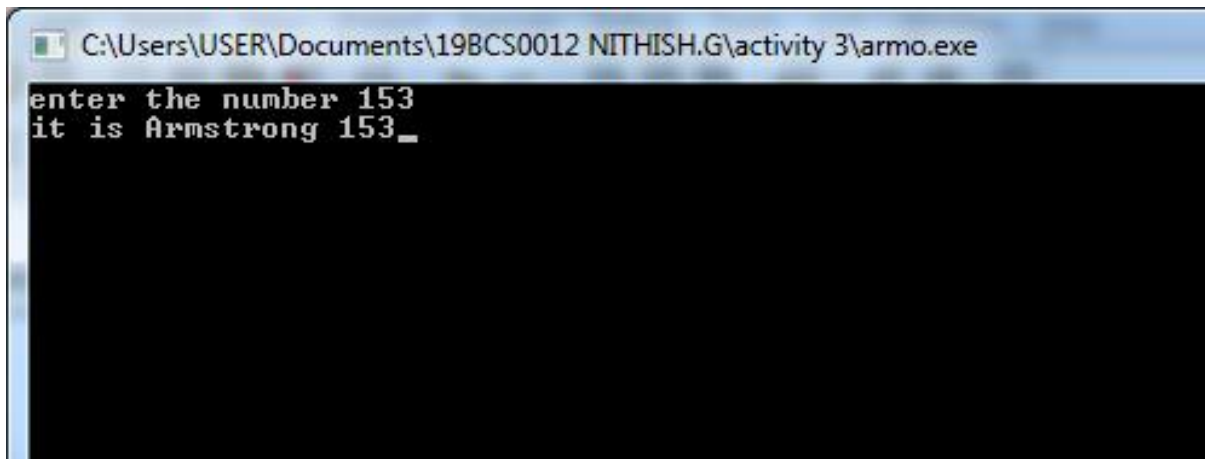
```
#include<conio.h>
```

```
void main()
{
    int n,all,div10,rem10,againdiv10,againrem10;

    printf("enter the number ");
    scanf("%d",&n);

    div10=n/10;
    rem10=n%10;
    rem10=rem10*rem10*rem10;
    againdiv10=div10/10;
    againrem10=div10%10;
    againrem10=againrem10*againrem10*againrem10;
    againdiv10= againdiv10* againdiv10*againdiv10;
    all=rem10+againrem10+ againdiv10;
    if(n==all)
        printf("it is Armstrong %d",all);
    else
        printf("it is not Armstrong ");

    getch();
}
```

A screenshot of a Windows command prompt window. The title bar at the top reads "C:\Users\USER\Documents\19BCS0012 NITHISH.G\activity 3\armo.exe". The command prompt shows the text "enter the number 153" on the first line and "it is Armstrong 153_" on the second line, with a cursor at the end of the second line.

```
C:\Users\USER\Documents\19BCS0012 NITHISH.G\activity 3\armo.exe
enter the number 153
it is Armstrong 153_
```

5.Pattern

```
#include<stdio.h>
```

```
#include<conio.h>
```

```
void main()
```

```
{
```

```
    int i,j;
```

```
        for(i=1;i<=5;i++)
```

```
        {
```

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

```
            {
```

```
                printf("*");
```

```
            }
```

```
        printf("\n");
```

```
}
```

```
    getch();
```

```
}
```

