

Get the number of rows of pattern from user and Write a C program to print the pattern

1. Pattern:

row=4

```
*
* *
* * *
* * * *
```

solution:

```
#include<stdio.h>
int main(){
    int row;
    printf("enter the row:");
    scanf("%d",&row);
    for(int i=0;i<row;i++){
        for(int j=0;j<=i;j++){
            printf("* ");
        }
        printf("\n");
    }
}
```

#####

Pattern:

row=5

```
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
```

solution:

```
#include<stdio.h>
int main(){
    int row;
    printf("enter the row:");
    scanf("%d",&row);
    for(int i=1;i<=row;i++){
        for(int j=1;j<=i;j++){
            printf("%d ",j);
        }
        printf("\n");
    }
}
```

#####

Pattern:
P
P R
P R E
P R E S
P R E S S

solution:

```
#include<stdio.h>
int main(){
    char arr[]="PRESS";
    int row=sizeof(arr)/sizeof(arr[0])-1;
    for(int i=0;i<row;i++){
        for(int j=0;j<=i;j++){
            printf("%c ",arr[j]);
        }
        printf("\n");
    }
}
```

#####

Pattern:
row=3
* * *
* *
*

solution:

```
#include<stdio.h>
int main(){
    int row;
    printf("row:");
    scanf("%d",&row);
    for(int i=row;i>0;i--){
        for(int j=0;j<i;j++){
            printf("*");
        }
        printf("\n");
    }
}
```

#####

Pattern:
row=4
1 2 3 4
1 2 3
1 2
1

1

solution:

```
#include<stdio.h>
int main(){
    int row;
    printf("row:");
    scanf("%d",&row);
    for(int i=row;i>0;i--){
        for(int j=1;j<=i;j++){
            printf("%d ",j);
        }
        printf("\n");
    }
}
```

#####

Solve the below pattern

Row=5

```
  *
 **
***
****
*****
```

solution:

```
#include <stdio.h>

int main()
{
    int n;
    printf("row:");
    scanf("%d",&n);

    for(int i=1;i<=n;i++){
        for(int k=1;k<=n-i;k++){
            printf(" ");
        }
        for(int j=1;j<=i;j++){
            printf("*");
        }
        printf("\n");
    }
}
```

```
#####  
###
```

Solve the below pattern

Row=4

```
    1  
  1 2  
1 2 3  
1 2 3 4
```

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

```
int main()
```

```
{
```

```
    int n;
```

```
    printf("row:");
```

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

```
    for(int i=1;i<=n;i++){
```

```
        for(int k=1;k<=n-i;k++){
```

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

```
        }
```

```
        for(int j=1;j<=i;j++){
```

```
            printf("%d",j);
```

```
        }
```

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

```
    }
```

```
}
```