

## Logic Building Assignment : 15

Create separate visual Studio project for each problem statement separately.

**1. Accept number of rows and number of columns from user and display below pattern.**

Input :      iRow = 4              iCol = 3

Output :    \*      \*      \*  
              \*      \*      \*  
              \*      \*      \*  
              \*      \*      \*

Program Layout :

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

```
void Pattern(int iRow, int iCol)
{
    // Logic
}
```

```
int main()
{
    int iValue1 = 0, iValue2 = 0;

    printf("Enter number of rows and columns");
    scanf("%d %d",&iValue1, &iValue2);

    Pattern(iValue1, iValue2);

    return 0;
}
```

## 2. Accept number of rows and number of columns from user and display below pattern.

Input :      iRow = 4              iCol = 3

Output :    1      2      3  
             1      2      3  
             1      2      3  
             1      2      3

Program Layout :

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

```
void Pattern(int iRow, int iCol)
```

```
{  
    // Logic  
}
```

```
int main()
```

```
{  
    int iValue1 = 0, iValue2 = 0;
```

```
    printf("Enter number of rows and columns");  
    scanf("%d %d",&iValue1, &iValue2);
```

```
    Pattern(iValue1, iValue2);
```

```
    return 0;
```

```
}
```

### 3. Accept number of rows and number of columns from user and display below pattern.

Input :      iRow = 3              iCol = 5

Output :    5    4    3    2    1  
             5    4    3    2    1  
             5    4    3    2    1

Program Layout :

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

```
void Pattern(int iRow, int iCol)
{
    // Logic
}
```

```
int main()
{
    int iValue1 = 0, iValue2 = 0;

    printf("Enter number of rows and columns");
    scanf("%d %d",&iValue1, &iValue2);

    Pattern(iValue1, iValue2);

    return 0;
}
```

#### 4. Accept number of rows and number of columns from user and display below pattern.

Input :      iRow = 3              iCol = 4

Output :    \*    #    \*    #  
             \*    #    \*    #  
             \*    #    \*    #

Program Layout :

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

```
void Pattern(int iRow, int iCol)
{
    // Logic
}
```

```
int main()
{
    int iValue1 = 0, iValue2 = 0;

    printf("Enter number of rows and columns");
    scanf("%d %d",&iValue1, &iValue2);

    Pattern(iValue1, iValue2);

    return 0;
}
```

## 5. Accept number of rows and number of columns from user and display below pattern.

Input :      iRow = 3              iCol = 4

Output :

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

Program Layout :

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

```
void Pattern(int iRow, int iCol)
```

```
{  
    // Logic  
}
```

```
int main()
```

```
{  
    int iValue1 = 0, iValue2 = 0;  
  
    printf("Enter number of rows and columns");  
    scanf("%d %d",&iValue1, &iValue2);  
  
    Pattern(iValue1, iValue2);  
  
    return 0;  
}
```