

Logic Building Assignment : 16

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 = 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;
```

```
}
```

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

Input : iRow = 4 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;
}
```

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

Input : iRow = 6 iCol = 6

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;
}
```

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

Input : iRow = 6 iCol = 6

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 = 4 iCol = 4

Output :

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

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;  
}
```