

Logic Building Assignment : 17

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 : 1 2 3 4
 5 6 7 8
 9 1 2 3
 4 5 6 7

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 :

2	4	6	8	10
1	3	5	7	9
2	4	6	8	10
1	3	5	7	9

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 = 5 iCol = 5

Output :

a	b	c	d	e
1	2	3	4	5
a	b	c	d	e
1	2	3	4	5
a	b	c	d	e

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 = 5 iCol = 5

Output :

1	2	3	4	5
-1	-2	-3	-4	-5
1	2	3	4	5
-1	-2	-3	-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;
```

```
}
```

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
2	3	4	5
3	4	5	6
4	5	6	7

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;  
}
```