Logic Building Assignment : 21

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;
}
```