Logic Building Assignment : 20

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;
}
```

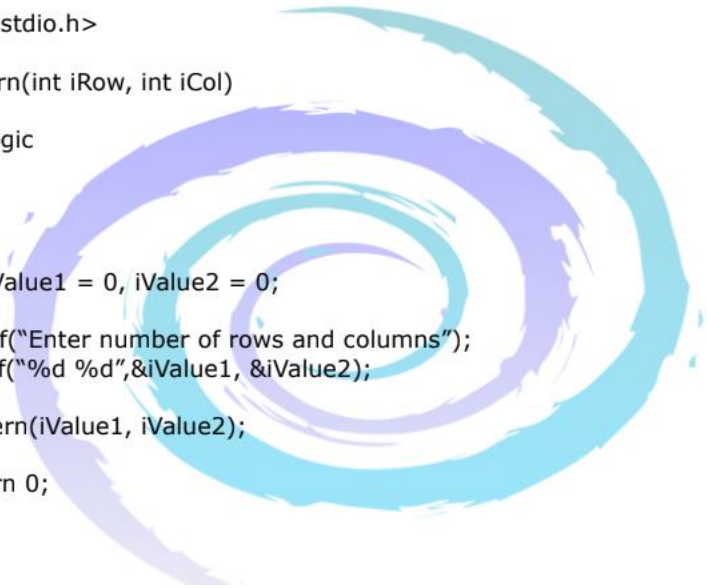
2. Accept number of rows and number of columns from user and display below pattern.

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;
}
```