

Logic Building Assignment : 10

Create separate visual Studio project for each problem statement separately.

1. Accept number from user and display below pattern.

Input : 5

Output : A B C D E

Program Layout :

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

```
void Pattern(int iNo)
```

```
{  
    // Logic  
}
```

```
int main()
```

```
{  
    int iValue = 0;  
  
    printf("Enter number of elements");  
    scanf("%d %d",&iValue);  
  
    Pattern(iValue);  
  
    return 0;  
}
```

2. Accept number from user and display below pattern.

Input : 5

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

Program Layout :

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

```
void Pattern(int iNo)
```

```
{  
    // Logic  
}
```

```
int main()
```

```
{  
    int iValue = 0;
```

```
printf("Enter number of elements");
scanf("%d %d",&iValue);
```

```
Pattern(iValue);
```

```
return 0;
```

```
}
```

3. Accept number from user and display below pattern.

Input : 5

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

Program Layout :

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

```
void Pattern(int iNo)
```

```
{
```

```
// Logic
```

```
}
```

```
int main()
```

```
{
```

```
int iValue = 0;
```

```
printf("Enter number of elements");
scanf("%d %d",&iValue);
```

```
Pattern(iValue);
```

```
return 0;
```

```
}
```

4. Accept number from user and display below pattern.

Input : 4

Output : # 1 * # 2 * # 3 * # 4 *

Program Layout :

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

```
void Pattern(int iNo)
```

```
{
```

```
// Logic
```

```
}
```

```
int main()
{
    int iValue = 0;

    printf("Enter number of elements");
    scanf("%d %d",&iValue);

    Pattern(iValue);

    return 0;
}
```

5. Accept number from user and display below pattern.

Input : 8

Output : 2 4 6 8 10 12 14 16

Program Layout :

```
#include<stdio.h>

void Pattern(int iNo)
{
    // Logic
}

int main()
{
    int iValue = 0;

    printf("Enter number of elements");
    scanf("%d %d",&iValue);

    Pattern(iValue);

    return 0;
}
```