

ASSIGNMENT NO: 07

NAME: SYEDA FAIZA ASLAM

ROLL NO: CT-064

SECTION: B

COURSE: CODE IN PLACE

TASKS:

QUESTION NO: 01

Number Pyramid

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

SOURCECODE:

```
#include<stdio.h>
int main(void)
{
    int i,j,rows,space;
    rows=5;
    for(i=1;i<=rows;i++)
    {
        for(space=1;space,=rows-1;space++)
        {
            printf(" ");
        }
        for(j=1;j<=2*i-1;j++)
        {
            printf("%d",j);
        }
    }
    return 0;
```

Question 2

Inverted Pyramid Combination

```
P Q R S
T U V
W X
Y
O
N M
L K J
I H G F
E D C B A
```

SOURCECODE:

```
#include <stdio.h>

int main() {
    char letters[] = "PQRSTUVWXYZONMLKJIHGFEDCBA";
    int rows = 8;
    int index = 0;

    for (int i = rows; i >= 1; i--) {
        // Print spaces for alignment
        for (int j = 1; j <= rows - i; j++) {
            printf(" ");
        }
        // Print letters
        for (int k = 1; k <= i; k++) {
```

```
        printf("%c ", letters[index++]);  
    }  
    printf("\n");  
}  
return 0;  
}
```