```c
/*                    Name: PRINCE MAURYA
              Roll no.:21D80005          Mobile no.:9453122989          */
#include <stdio.h>
int main()
{
    int alpha = 64;
    for (int i = 0; i < 7; i++)
    {
        for (int j = 0; j <= i; j++)
        {
            alpha++;
            if (alpha == 91)
            {
                alpha = 65;
            }
            printf("%c", alpha);
        }
        printf("\n");
    }
    return 0;
}
```

Tabs: C q1.c | C q2.c | C q3.c | C q4.c

PROBLEMS   TERMINAL   ···

```
SS 51 LAB\Assi 5> c
              > cd "c:\Users\princ\OneDrive - N
IT Durgapur\CSC01\CSS 51 LAB\Assi 5\" ; if ($?) {
 gcc q1.c -o q1 } ; if ($?) { .\q1 }
A
BC
DEF
GHIJ
KLMNO
PQRSTU
VWXYZAB
PS C:\Users\princ\OneDrive - NIT Durgapur\CSC01\C
SS 51 LAB\Assi 5>
```

```c
/*                  Name: PRINCE MAURYA
        Roll no.:21D80005          Mobile no.:9453122989          */
#include<stdio.h>
int main(){
    char str='*';
    for(int i=1;i<=9;i=i+2){
        for(int j=8;j>=i;j=j-2){
            printf(" ");
        }
        for(int j=1;j<=i;j++){
            printf("*");
        }
        printf("\n");
    }
    return 0;
}
```

```
SS 51 LAB\Assi 5>
            > cd "c:\Users\princ\OneDrive - N
IT Durgapur\CSC01\CSS 51 LAB\Assi 5\" ; if ($?) {
 gcc q2.c -o q2 } ; if ($?) { .\q2 }
    *
   ***
  *****
 *******
*********
PS C:\Users\princ\OneDrive - NIT Durgapur\CSC01\C
SS 51 LAB\Assi 5>
```

Tabs: q1.c   q2.c   q3.c   q4.c

```c
/*              Name: PRINCE MAURYA
        Roll no.:21D80005      Mobile no.:9453122989      */
#include<stdio.h>
int main(){
    int i,j;
    for(i=1;i<=4;i++)
    {
        int spac,num=i;
        for(spac=4-i;spac>0;spac--){
            printf(" ");
        }
        for(j=1;j<i;j++){
            printf("%d",num++);
        }
        for(j=1;j<=i;j++){
            printf("%d",num++);
        }
        printf("\n");
    }
    return 0;
}
```

C q4.c > ⊗ main()

```c
1  /*                      Name: PRINCE MAURYA
2         Roll no.:21D80005          Mobile no.:9453122989       */
3  #include<stdio.h>
4  int main(){
5      int spac;
6      for(int i=1;i<=6;i++){
7          int coeff=1;
8          for(spac=6-i;spac>0;spac--){
9              printf(" ");
10         }
11         for(int j=1;j<=i;j++){
12             printf(" %d",coeff);
13             coeff=coeff*(i-j)/j;
14         }
15         printf("\n");
16     }
17     return 0;
18 }
```

```
SS 51 LAB\Assi 5> c
            > cd "c:\Users\princ\OneDrive - N
IT Durgapur\CSC01\CSS 51 LAB\Assi 5\" ; if ($?) {
 gcc q4.c -o q4 } ; if ($?) { .\q4 }
    1
   1 1
  1 2 1
 1 3 3 1
1 4 6 4 1
1 5 10 10 5 1
PS C:\Users\princ\OneDrive - NIT Durgapur\CSC01\C
SS 51 LAB\Assi 5>
```