

chetan_projects > C_experiments > exp 3.2 > C 3_b.c > main()

```
1  #include <stdio.h>
2
3  int main() {
4      int i, j;
5      int val;
6
7      printf("Pattern:\n");
8
9      i = 0;
10     while (i < 5) {
11         val = 1;
12         j = 0;
13         while (j <= i) {
14             printf("%d ", val);
15             val = val * (i - j) / (j + 1);
16             j = j + 1;
17         }
18         printf("\n");
19         i = i + 1;
20     }
21
22     return 0;
23 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS D:\chetan_projects> & 'c:\Users\DELL\.vscode\extensions\ms-vscode.cp
-In-pgja3ytl.32h' '--stdout=Microsoft-MIEngine-Out-jwcct2cf.yl0' '--stde
=C:\msys64\ucrt64\bin\gdb.exe' '--interpreter=mi'
```

Pattern:

```
1
1 1
1 2 1
1 3 3 1
1 4 6 4 1
```

PS D:\chetan_projects>

Exp 3.2.3 b

```
#include <stdio.h>
int main () {
    int i, j ;
    int val ;
    printf ("Pattern: \n " );
    i = 0 ;
    while (i < 5) {
        val = 1 ;
        j = 0 ;
        while (j <= i) {
            printf ("%d ", val) ;
            val = val * (i-j)/(j+1) ;
            j = j + 1
        }
        printf ("\n") ;
        i = i + 1 ;
    }
    return 0 ;
}
```

Output

Pattern :

1

1 1

1 2 1

1 3 3 1

1 4 6 4 1

Teacher's Signature _____