

```
1  #include <stdio.h>
2  #include <stdlib.h>
3
4  #define NUM_ROWS 5
5  #define NUM_COLUMNS 3
6
7  int main(void)
8  {
9      //variable declarations
10     int iArray[NUM_ROWS][NUM_COLUMNS];
11     int i, j;
12
13     //code
14     for (i = 0; i < NUM_ROWS; i++)
15     {
16         for (j = 0; j < NUM_COLUMNS; j++)
17             iArray[i][j] = (i + 1) * (j + 1);
18     }
19
20     printf("\n\n");
21     printf("2D Integer Array Elements Along With Addresses : \n\n");
22     for (i = 0; i < NUM_ROWS; i++)
23     {
24         for (j = 0; j < NUM_COLUMNS; j++)
25         {
26             printf("iArray[%d][%d] = %d \t \t At Address : %p\n", i, j, iArray
27                 [i][j], &iArray[i][j]);
28         }
29         printf("\n\n");
30     }
31     return(0);
32 }
33
34
35
36
```