

Array

Question 1

Write a code statement to initialize a two-dimensional array called *arr* of 4 rows and 3 columns. This array accepts integer values.

Question 2

What would be printed from the following program segments?

```
#include<stdio.h>
int main()
{
    int i=0,j=0;
    int arr[2][3]={{1,2,3},{2,3,4}};

    for(i=0;i<2;i++)
    {
        for(j=0;j<3;j++)
        {
            printf("arr[%d] [%d] = %d \n",i,j,arr[i][j]);
        }
    }
    return 0;
}
```

Question 3

Write a program to get input from user and store the values in a two-dimensional array. Then, display all the values in the array. Refer to the sample output.

SAMPLE OUTPUT:

```
Enter a[0][0]: 1
Enter a[0][1]: 2
Enter a[0][2]: 3
Enter a[1][0]: 4
Enter a[1][1]: 5
Enter a[1][2]: 6
Enter a[2][0]: 7
Enter a[2][1]: 8
Enter a[2][2]: 9
```

```
printing the elements ....
```

```
1      2      3
4      5      6
7      8      9
```