

Unit 2: Arrays and Strings

Practice Questions

1. WAP in C to enter two matrices of dimension 5x5 each and display the sum of their diagonal element

2. Write a program in C to produce the following output:

```
      1
     2 3
    4 5 6
   7 8 9 10
```

3. Write a program in C to produce the following output:

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

4. WAP in C enter a string from the user and display the count of each character present in the string

5. WAP in C to enter two array(s) containing 20 elements from the user each and display the common elements between the two array(s)

6. WAP in C to enter a multi word string from the user and display the reverse of the string

7. Write a program in C to produce the following pattern as output:

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