Objective:

- The purpose of this quiz is to focus on the very basic fundamental concepts practiced so far in previous lectures.

Question No 1: (5)

Give output of the following code and draw the recursive trace.

```
void doIt(char *a, char *b)
{
    char temp = *a;
    *a = *b;
    *b = temp;
}
void devilEye(char * arr, int ind, int N)
{
    if(ind == N-1)
    {
        for(int j=0; j<N; j++)
            cout << arr[j] << "\t";
        cout << endl;
    }
    else
    {
        for(int i=ind; i<N; i++)
        {
            doIt(&arr[ind], &arr[i]);
            devilEye(arr, ind+1, N);
            doIt(&arr[ind], &arr[i]);
        }
    }
}
```

```
int main()
{
    char msg[] = "594";
    devilEye(msg, 0, 3);
    return 0;
}
```