## **IR PRACTICAL 03**

Aim: Implement Dynamic programming algorithm for computing the edit distance between strings s1 and s2. (Hint. Levenshtein Distance).

## Code:

```
def editDistance(s1,s2,m,n):
if m==0:
    return n
if n==0:
    return m
if(s1[m-1]==s2[n-1]):
    return editDistance(s1,s2,m-1,n-1)
    return 1+min(editDistance(s1,s2,m,n-1),editDistance(s1,s2,m-1,n),editDistance(s1,s2,m-1,n-1))
s1 = "network"
s2 = "cats"
editDistance(s1,s2,len(s1),len(s2))
```

## Output:

