**PRACTICAL NO 3**

**AIM :** Spelling Correction in IR Systems

Develop a spelling correction module using edit distance algorithms.

Integrate the spelling correction module into an information retrieval system.

**INPUT:**

def editDistance(str1, str2, m, n):

if m==0:

return n

if n==0:

return m

if str1[m-1] == str2[n-1]:

return editDistance(str1, str2, m-1, n-1)

return 1 + min(editDistance(str1, str2, m, n-1),

editDistance(str1, str2, m-1, n),

editDistance(str1, str2, m-1, n-1)

)

str1 = "sunday"

str2 = "saturday"

print("Edit Distance is : ", editDistance(str1, str2, len(str1), len(str2)))

**OUTPUT:**

