**Program for Naive String Matching Algorithm**

**// C program for Naive Pattern Searching algorithm**

**#include <stdio.h>**

**#include <string.h>**

**void search(char \*pat, char \*txt)**

**{**

**int M = strlen(pat);**

**int N = strlen(txt);**

**/\* A loop to slide pat[] one by one \*/**

**for (int i = 0; i <= N - M; i++)**

**{**

**int j;**

**/\* For current index i, check for pattern match \*/**

**for (j = 0; j < M; j++)**

**if (txt[i + j] != pat[j])**

**break;**

**if (j == M) // if pat[0...M-1] = txt[i, i+1, ...i+M-1]**

**printf("Pattern found at index %d \n", i);**

**}**

**}**

**// Driver's code**

**int main()**

**{**

**char txt[75];**

**char pat[25];**

**printf("Enter String: \n");**

**scanf("%s",&txt);**

**printf("Enter the pattern to find in String: \n");**

**scanf("%s",&pat);**

**// Function call**

**search(pat, txt);**

**return 0;**

**}**

**Output:**

