**Pattern matching**

#include<stdio.h>

#include<string.h>

int m, n, i, j;

void BruteForceStringMatch(char T[n], char P[m] ,int k) {

for (i= 0; i< n-m; i++) {

j=0;

while (j < m && P[j] == T[i+j] ){

j = j+1;

}

if (j == m) {

printf(" %d",k+i+1);

BruteForceStringMatch(T+i+1,P,k+i+1);

}

}

}

int main() {

char T[50],P[30];

printf("\nEnter a Text : ");

gets(T);

n=strlen(T);

printf("\nEnter a Pattern : ");

gets(P);

m=strlen(P);

printf("Index values of Patterns Matched are : ");

BruteForceStringMatch(T, P, 0);

return 0;

}

