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|  | **DAILY ONLINE ACTIVITIES SUMMARY**   |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Date:** | **04/06/2020** | | | | | **Name:** | **Shone K Sunny** | | | **Sem & Sec** | **8th sem,A** | | | | | **USN:** | **4AL14CS081** | | | **Online Test Summary** | | | | | | | | | | **Subject** | | **SMS** | | | | | | | | **Max. Marks** | | **60** | | **Score** | | | **60** | | | **Certification Course Summary** | | | | | | | | | | **Course** | **Machine Learning Terminology and Process** | | | | | | | | | **Certificate Provider** | | | **AWS** | | **Duration** | | | **3hr** | | **Coding Challenges** | | | | | | | | | | **Problem Statement:** **Write a C program to print all permutations of a given string using pointers.** | | | | | | | | | | **Status: Solved** | | | | | | | | | | **Uploaded the report in Github** | | | | | **Yes** | | | | | **If yes Repository name** | | | | | **shonekks** | | | | | **Uploaded the report in slack** | | | | | **Yes** | | | |   Online Test Details: (Attach the snapshot and briefly write the report for the same)    Certification Course Details: (Attach the snapshot and briefly write the report for the same    Coding Challenges Details: (Attach the snapshot and briefly write the report for the same) |
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**/\*Write a C program to print all permutations of a given string using pointers.\*/**

#include <stdio.h>

#include <string.h>

void swap (char \*x, char \*y)

{

char temp;

temp = \*x;

\*x = \*y;

\*y = temp;

}

void permute(char \*a, int i, int n)

{

int j;

if (i == n)

printf("%s\n", a);

else {

for (j = i; j <= n; j++)

{

swap((a + i), (a + j));

permute(a, i + 1, n);

swap((a + i), (a + j));

}

}

}

int main()

{

char a[20];

int n;

printf("Enter a string: ");

scanf("%s", a);

n = strlen(a);

printf("Permutaions\n");

permute(a, 0, n -1);

getchar() ;

return 0;

}