

# Lab Tasks-1

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1)Write a program to compare two strings. If the two strings are same, print "Same", otherwise print "Not Same".

```
#include<stdio.h>

int main()
{
    char s1[20],s2[20];
    int i,j,len1=0,len2=0,cmp1=0,cmp2=0;
    printf("Enter 1st String : ");
    gets(s1);
    printf("Enter 2nd String : ");
    gets(s2);
    for(i=0;s1[i]!='\0';i++){
        len1++;
    }
    for(j=0;s2[j]!='\0';j++)
    {
        len2++;
    }
    if(len1!=len2){
        printf("\n Not Same \n\n");
    }else{
        for(i=0,j=0;i<=len1-1;i++,j++){
            if(s1[i]==s2[j]){
                cmp1++;
            }else{
                printf("\n Not Same \n\n");
            }
        }
    }
}
```

```

break;

    }

}

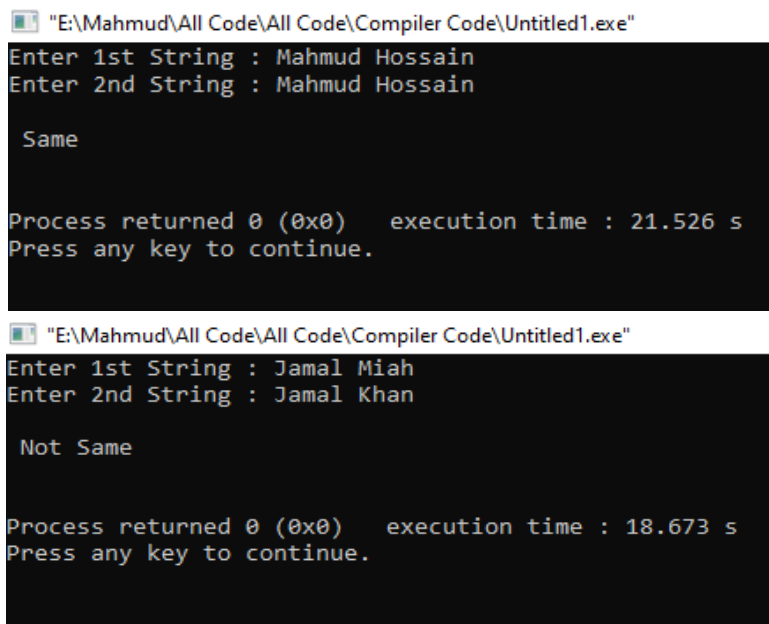
if(len1==cmp1){
    printf("\n Same \n\n");
}

}

return 0;
}

```

## Output



```

"E:\Mahmud\All Code\All Code\Compiler Code\Untitled1.exe"
Enter 1st String : Mahmud Hossain
Enter 2nd String : Mahmud Hossain

Same

Process returned 0 (0x0)   execution time : 21.526 s
Press any key to continue.

"E:\Mahmud\All Code\All Code\Compiler Code\Untitled1.exe"
Enter 1st String : Jamal Miah
Enter 2nd String : Jamal Khan

Not Same

Process returned 0 (0x0)   execution time : 18.673 s
Press any key to continue.

```

2)Write a program to find out whether a string is a Palindrome string or not.

## Code:

```

#include<stdio.h>

int main()
{

```

```
char s1[40],s2[40];  
int i,j,len=0,len1=0,len2=0,cmp1=0,cmp2=0;
```

```
printf("Enter a String : ");  
gets(s1);
```

```
for(i=0;s1[i]!='\0';i++){  
    len++;  
}  
for(i=len-1,j=0;i>=0;i--,j++){  
    s2[j]=s1[i];  
}  
s2[len]='\0';
```

```
for(i=0;s1[i]!='\0';i++){  
    len1++;  
}
```

```
for(j=0;s2[j]!='\0';j++){  
    {  
        len2++;  
    }  
}
```

```
if(len1!=len2){  
    printf("\n Not Same \n\n");  
}else{  
    for(i=0,j=0;i<=len1-1;i++,j++){  
        if(s1[i]==s2[j]){  
            cmp1++;  
        }else{
```

```

        printf("\n String is not Palindrome \n\n");
        break;

    }

}

if(len1==cmp1){

    printf("\n String is Palindrome \n\n");
}
}

return 0;
}

```

## Output

```

E:\Mahmud\All Code\All Code\Compiler Code\Untitled1.exe
Enter a String : ADEKEDA

String is Palindrome

Process returned 0 (0x0)   execution time : 100.300 s
Press any key to continue.

```

```

E:\Mahmud\All Code\All Code\Compiler Code\Untitled1.exe
Enter a String : ADEKEDD

String is not Palindrome

Process returned 0 (0x0)   execution time : 33.300 s
Press any key to continue.

```