## **ASSIGNMENT-1**

By

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Roll number- 2023A1R031

1st Semester

CSE



## **Model Institute of Engineering & Technology (Autonomous)**

(Permanently Affiliated to the University of Jammu, Accredited by NAAC with "A" Grade)

Jammu, India

2023

Q1. Write a C program to check if a string is a palindrome.

```
C: > Users >
              > OneDrive > Desktop > C MOKSHNA.c > 分 main()
      // program t0 check if a string is palindrome or not.
      #include<stdio.h>
      #include<string.h>
      int main()
           char str[100];
           int i,j,len,flag=0;
           printf("enter a string:");
           scanf("%s",str);
           len = strlen(str);
           for(i=0,j=len-1;i<j;i++,j--){
               if(str[i]!=str[j]){
                   flag = 1;
 14
                   break;
           if(flag==0){
               printf("%s is a palindrome",str);
           }else{
               printf("%s is not palindrome",str);
       return 0;
```

## **OUTPUT:-**

```
PS C:\Users\rekhi> cd "c:\Users\ \OneDrive\Desktop\"; if ($?) { gcc MOKSHNA.c -0 MOKSHNA }; if ($?) { .\WOKSHNA }
enter a string:mokshna
mokshna is not palindrome
PS C:\Users\ \OneDrive\Desktop> cd "c:\Users\ \OneDrive\Desktop\"; if ($?) { gcc MOKSHNA.c -0 MOKSHNA }; if ($?) { .\WOKSHNA }
enter a string:oppo
oppo is a palindrome
PS C:\Users\ \OneDrive\Desktop> [
```

Q2. Write the program for print largest three digit jumping number.

## **OUTPUT:-**

```
PS C:\Users\ > cd "c:\Users\ \OneDrive\Desktop\"; if ($?) { gcc MOKSHNA.c -0 MOKSHNA }; if ($?) { .\MOKSHNA }
Largest three-digit jumping number: 989
PS C:\Users\ \OneDrive\Desktop>
```