

# CP ASSIGNMENT:8

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# Q1 To check if the string is palidrome

```
#include<stdio.h>
#include<string.h>
int main()
{
char s[100];
printf("Enter the string");
gets(s);
int n=strlen(s);
char x[100];
int j=0;
while(j<n){
    x[j]=s[j];
    j++;
}
int i=0;
while(i<n/2)
{
char t=s[i];
s[i]=s[n-i-1];
s[n-i-1]=t;
i++;
}
```

```
i=0;
int c=0;
while(i<n)
{
    if(x[i]!=s[i])
    {
        c=1;
        break;
    }
    i++;
}
if(c==0){
    printf("the string entered is palindrome");
}
else{
    printf("the string entered is not palindrome");
}
return 0;}
```

# Output:

 "C:\Users\hp\Documents\LAB 8 Q1.exe"

Enter the string12321

the string entered is palindrome

Process returned 0 (0x0) execution time : 4.238 s

Press any key to continue.



## Q2- to removed repeated char

```
#include<stdio.h>
#include<string.h>
int main()
{ char s1[100];
  printf("enter the string");
  scanf("%s",s1);
  int n=strlen(s1);
  for(int i=0;i<n;i++){
    for(int j=0;j<n;j++){
      int c=0;
      if(s1[i]==s1[j] && i!=j )
      {
        s1[j]=s1[j]-s1[j];
        c==1;
      }
    }
  }
  int k;
  while(k<n)
  { printf("%c",s1[k]);
    k++;
  }
  return 0;
}
```

# OUTPUT:

 "C:\Users\hp\Documents\lab8 q2.exe"

enter the string HELLLL000

Process returned 0 (0x0) execution time : 27.726 s

Press any key to continue.

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# Q3- lower case to upper case

```
#include<stdio.h>
#include<string.h>
int main()
{
    char s1[100];
    printf("enter the string");
    scanf("%s",s1);
    int n=strlen(s1);
    int i=0;
    while(i<n)
    {
        if(s1[i]>=97 && s1[i]<=123)
        {
            s1[i]=s1[i]-'a'+ 'A';
        }
        i++;
    }
    printf("the lower case to upper case :%s",s1);
    return 0;
}
```

# output

 "C:\Users\hp\Documents\lab8 q2.exe"

enter the stringchimichangas

the lower case to upper case :CHIMICHANGAS

Process returned 0 (0x0) execution time : 8.802 s

Press any key to continue.