```
//Name:Narkhede Anup Anant
//Title: 9 (A) and (B)
//Roll no: 549

/*_____________________________________________________________________________
_____________________________*/

/* 9(A) Program to convert every lowercase letter to uppercase letter and
vice versa in a given string */

/*_____________________________________________________________________________
_____________________________*/
#include<stdio.h>
#include<string.h>
void main()
{
  char name[30],i;
  clrscr();
  printf("enter the string");
  scanf("%s",name);            //it take input till first white space
  printf("\n\nGiven string: %s",name);

  for(i=0;i<strlen(name);i++)

    {
       if (name[i]>='A' && name[i]<='Z')
         {
           name[i]=name[i]+32;         //converts alphabets to lower
         }
       else
          {
            name[i]=name[i]-32;        //converts to upper case
          }
    }
       printf("\n\nconveted string: %s",name);      //print the output


    getch();

    }



/*_____________________________________________________________________________
_____________________________________________________________________________
_____________________________________________________ */

/*9(B)Program to implement the string functions using the standard
library functions supported by string.h like: string length, string copy,
string reverse, string concatenate,string compare, sub string.*/

/*_____________________________________________________________________________
_____________________________________________________________________________
_____________________________________________________*/

#include<stdio.h>
#include<string.h>
void main()
{
char str[100],str1[100],str2[100];
```

```
int l,ch;
clrscr();

printf("enter your choice");
printf( "\n1.string length\n2.string compare\n3.string copy\n4.string
concatenate\n5.sub string\n6.String reverse\n7 Exit");

scanf("%d",&ch);
switch(ch)
{
   //string length

   case 1:
      printf("enter the string");
      scanf("%s",str);
      l=strlen(str);
      printf("string length %d",l);

      break;



    // comparing string

   case 2:
      printf("enter the first string");
      scanf("%s",&str1);     //compare two strings.
      printf("enter the second string");
      scanf("%s",&str2);
      strcmp(str1,str2);

       if(strcmp(str1,str2)==0)   //if strigs matches
           {
            printf("\nstrings are equal");
           }
        else{
            printf(" strings are not equl and string compare value is %d
",strcmp(str1,str2));
             }

      break;


    //string copy

 case 3:
      printf("enter the string");
      scanf("%s",&str1);
      strcpy(str2,str1);             //copy the first string in another
string
      printf(" copied string is %s",str2);

      break;



   // string concatenate

  case 4:
      printf("enter the  first string");
```

```
      scanf("%s",&str1);
       printf("enter the  second string");
      scanf("%s",&str2);
      strcat(str1,str2);        //join both strings.
      printf(" join string : %s",str1);

      break;

   //sub string

   case 5:


      printf("enter the  first string");
      scanf("%s",&str1);
       printf("enter the  second string");
       scanf("%s",&str2);

      // finds first occurence of a given strig in another string.

      printf("\nsubstring is %s",strstr(str1,str2));


      break;


    //string reverse

   case 6:
      printf("enter a string to reverse");
      scanf("%s",str);
                  //display given string in reverse order
      printf("string reverse is %s",strrev(str));

      break;



   default:
     break;      //exit case

      }
getch();
}
```