

**Aim: To write a program to perform certain action on an array according to entered choice**

**Source Code:**

```
#include<iostream.h>
#include<stdio.h>
#include<conio.h>
#include<string.h>
void main()
{
    clrscr();
    int ch;
    char str1[10], str2[10], str3[20];
    cout<<"=====
    <<"\n                Harshit Program                "
    <<"\n=====
    <<"\n1.Find largest and smallest among 3 string entered"
    <<"\n2.Cancatinate 2 strings"
    <<"\n3.Convert upper case to lower and lower to upper"
    <<"\nEnter choice ";
    cin>>ch;
    if(ch==1)
    {
        cout<<"Enter 3 strings:\n ";
        gets(str1);
        gets(str2);
        gets(str3);
        for(int i=0;str1[i]!='\0';i++);
        for(int j=0;str2[j]!='\0';j++);
        for(int k=0;str3[k]!='\0';k++);
        if(i>j && i>k)
            cout<<"\nLargest string is "<<str1;
        else if(j>i && j>k)
            cout<<"\nLargest string is "<<str2;
        else if(k>i && k>j)
            cout<<"\nLargest string is "<<str3;
    }
    else if(ch==2)
    {
        cout<<"Enter 2 strings\n ";
        gets(str1);
        gets(str3);
        for(int i=0;str1[i]!='\0';i++);
        str1[i]=' ';
        i++;
    }
}
```

```

        for(int j=0;str3[j]!='\0';j++,i++)
            str1[i]=str3[j];
        str1[i]='\0';
        cout<<"Concatinated string is "<<str1;
    }
    else if(ch==3)
    {
        cout<<"Enetr the string \n";
        gets(str2);
        for(int i=0;str2[i]!='\0';i++)
        {
            if(str2[i]>=65 && str2[i]<=90)
                str2[i]+=32;
            else if(str2[i]>=97 && str2[i]<=122)
                str2[i]-=32;
        }
        cout<<"Altered string is "<<str2;
    }
    getch();
}

```

Output :

```

C:\Windows\system32\cmd.exe - tc
Harshit Program
=====
1.Find largest and smallest among 3 string entered
2.Cancatinate 2 strings
3.Convert upper case to lower and lower to upper
Enter choice 1
Enter 3 strings:
Harshit
Yadav
Smart
Largest string is Harshit_

```

```

C:\Windows\system32\cmd.exe - tc
1.Find largest and smallest among 3 string entered
2.Cancatinate 2 strings
3.Convert upper case to lower and lower to upper
Enter choice 2
Enter 2 strings
Harshit
Yadav
Concatinated string is Harshit Yadav

```

```

C:\Windows\system32\cmd.exe - tc
1.Find largest and smallest among 3 string entered
2.Cancatinate 2 strings
3.Convert upper case to lower and lower to upper
Enter choice 3
Enetr the string
HarShiT
Altered string is hARsHit_

```

