

Day – 19 of the 101 days of coding challenge

-----String continue.....-----

Ques – Given strings convert into upper case and lower case both.

Code:-

```
#include<iostream>
```

```
#include<string.h>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
    string str;
```

```
    cout<<"Enter the string"<<endl;
```

```
    cin>>str;
```

```
    // upper case converting
```

```
    for(int i = 0; i<str.size(); i++)
```

```
    {
```

```
        if(str[i] >= 97 && str[i]<=122)
```

```
        {
```

```
            str[i]-=32;
```

```

        }
    }

    cout<<str<<endl;

    // Lower case converting
    for(int i = 0; i<str.size(); i++)
    {
        if(str[i] >= 65 && str[i]<=90)
        {
            str[i]+=32;
        }
    }

    cout<<str<<endl;

    return 0;
}

```

Output:-

```

Enter the string
RaviKumarPathak
RAVIKUMARPATHAK
ravikumarpathak

-----
Process exited after 8.64 seconds with return value 0
Press any key to continue . . .

```

2-Method By using the algorithms—

Code:-

```
#include<iostream>
```

```
#include<algorithm>
```

```
#include<string.h>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
    string str;
```

```
    cout<<"Enter the string"<<endl;
```

```
    cin>>str;
```

```
    // using built in algorithms
```

```
    // for upper case
```

```
    transform(str.begin(), str.end(), str.begin(), :: toupper);
```

```
    cout<<str<<endl;
```

```
    // for lower case
```

```
    transform(str.begin(), str.end(), str.begin(), :: tolower);
```

```
    cout<<str<<endl;

    return 0;
}
```

Output:-

```
Enter the string
RaviKumarPathak
RAVIKUMARPATHAK
ravikumarpathak

-----
Process exited after 8.077 seconds with return value 0
Press any key to continue . . .
```