



## Experiment – 3

- Write a shell script that takes a command line argument and reports on whether it is a directory or a file
- Write a shell script that file names as argument and convert all of them to uppercase

```
haripriya@LAPTOP-RMAP14VO:/mnt/d/Documents$ nano file.sh
haripriya@LAPTOP-RMAP14VO:/mnt/d/Documents$ ./file.sh
enter file
text
directory file
haripriya@LAPTOP-RMAP14VO:/mnt/d/Documents$ nano f1.sh
haripriya@LAPTOP-RMAP14VO:/mnt/d/Documents$ ./f1.sh
Enter filename merge.c
#include<stdio.h>
#include<stdlib.h>

void merge(int arr[], int l, int m, int k)
{
    int i,j,k;
    int n1 = m-l+1;
    int n2 = r-m;
    int l[n1] , r[n2];
    for(i=0; i<n1; i++)
        l[i] = arr[l+i];
    for(j=0; j<n2; j++)
        r[j] = arr[m+1+j];
    i=0;
    j=0;
    k=l;
    while(i<n1 && j<n2){
        if(l[i] <= r[j]){
            arr[k] = l[i];
            i++;
        }
        else{
            arr[k] = r[j];
            j++;
        }
        k++;
    }
    while(i<n1) arr[k++] = l[i++];
    while(j<n2) arr[k++] = r[j++];
}
```

- Write a shell script that captures number of line arguments and displays the arguments supplied by the user using grep command , we have to search the string entered as argument 1 in the file name entered as argument 2

```
haripriya@LAPTOP-RMAP14VO:/mnt/d/Documents$ nano f.sh
haripriya@LAPTOP-RMAP14VO:/mnt/d/Documents$ ./f.sh
Program = ./f.sh
The number of program are = 0
The arguments are =
```