

Logic Building Assignment : 46

1. Write a program which accepts file name from user and count number of capital characters from that file.

Input : Demo.txt

Output : Number of capital characters are 23

```
#include<stdio.h>
#include<stdlib.h>
#include<io.h>

int CountCapital(char FName[])
{
    // Open file in read mode
    // Read the data into local array
    // Count capital characters
    // Close the file
    // Return its frequency.
}

int main()
{
    char FileName[30];
    int iRet = 0;

    printf("Enter file name");
    scanf("%d",FileName);

    iRet = CountCapital(FileName);

    printf("Number of Capital characters are %d",iRet);

    return 0;
}
```

2. Write a program which accepts file name from user and count number of small characters from that file.

Input : Demo.txt

Output : Number of small characters are 21

```
#include<stdio.h>
#include<stdlib.h>
#include<io.h>

int CountSmall(char FName[])
{
    // Open file in read mode
    // Read the data into local array
    // Count small characters
    // Close the file
    // Return its frequency.
}

int main()
{
    char FileName[30];
    int iRet = 0;

    printf("Enter file name");
    scanf("%d",FileName);

    iRet = CountSmall(FileName);

    printf("Number of Small characters are %d",iRet);

    return 0;
}
```

3. Write a program which accepts file name from user and count number of white spaces from that file.

Input : Demo.txt

Output : Number of white spaces are 13

```
#include<stdio.h>
#include<stdlib.h>
#include<io.h>

int CountWhite(char FName[])
{
    // Open file in read mode
    // Read the data into local array
    // Count WhiteSpaces
    // Close the file
    // Return its frequency.
}

int main()
{
    char FileName[30];
    int iRet = 0;

    printf("Enter file name");
    scanf("%d",FileName);

    iRet = CountWhite(FileName);

    printf("Number of white spaces are %d",iRet);

    return 0;
}
```

4. Write a program which accepts file name and one character from user and count number of occurrences of that characters from that file.

Input : Demo.txt 'M'

Output : Frequency of M is 7

```
#include<stdio.h>
#include<stdlib.h>
#include<io.h>

int CountChar(char FName[], char Ch)
{
    // Open file in read mode
    // Read the data into local array
    // Count occurrences of Ch
    // Close the file
    // Return its frequency.
}

int main()
{
    char FileName[30];
    int iRet = 0;
    char cValue;

    printf("Enter file name");
    scanf("%d",FileName);

    printf("Enter the character");
    scanf("%c",&cValue);

    iRet = CountChar(FileName,cValue);

    printf("Frequency is  %d",iRet);

    return 0;
}
```

5. Write a program which accepts file name and one count from user and read that number of characters from starting position.

Input : Demo.txt 12

Output : Display first 12 characters from Demo.txt

```
#include<stdio.h>
#include<stdlib.h>
#include<io.h>

Void DisplayN(char FName[], int iSize)
{
    // Open file in read mode
    // Read that number of bytes into local array
    // Display on screen
    // Close the file
}

int main()
{
    char FileName[30];
    int iValue = 0;

    printf("Enter file name");
    scanf("%d",FileName);

    printf("Enter the number of characters");
    scanf("%d",&iValue);

    DisplayN(FileName,iValue);

    return 0;
}
```