Logic Building Assignment : 42

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;

}
```