Logic Building Assignment : 13

Create separate visual Studio project for each problem statement separately.
Calculate Time Complexity of each program.

1. Write a program which accept number from user and return the count of even digits.

Input : 2395
Output : 1

Input : 1018
Output : 2

Input : -1018
Output : 2

Input : 8462
Output : 4

```
#include<stdio.h>

int CountEven(int iNo)
{
	// Logic
}

int main()
{
	int iValue = 0;
	int iRet = 0;

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

	iRet = CountEven(iValue);

	printf("%d",iRet);

	return 0;
}
```

2. Write a program which accept number from user and return the count of odd digits.

Input : 2395
Output : 3

Input : 1018
Output : 2

Input : -1018
Output : 2

Input : 8462
Output : 0

```
#include<stdio.h>

int CountOdd(int iNo)
{
	// Logic
}

int main()
{
	int iValue = 0;
	int iRet = 0;

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

	iRet = CountOdd(iValue);

	printf("%d",iRet);

	return 0;
}
```

3. Write a program which accept number from user and return the count of digits in between 3 and 7.

Input : 2395
Output : 1

Input : 1018
Output : 0

Input : 4521

Output : 2

Input : 9922
Output : 0

```
#include<stdio.h>

int CountRange(int iNo)
{
	// Logic
}

int main()
{
	int iValue = 0;
	int iRet = 0;

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

	iRet = CountRange(iValue);

	printf("%d",iRet);

	return 0;
}
```

4. Write a program which accept number from user and return multiplication of all digits.

Input : 2395
Output : 270

Input : 1018
Output : 8

Input : 9440
Output : 144

Input : 922432
Output : 864

```
#include<stdio.h>

int MultDigits(int iNo)
{
	// Logic
```

```
}

int main()
{
	int iValue = 0;
	int iRet = 0;

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

	iRet = MultDigits(iValue);

	printf("%d",iRet);

	return 0;
}
```

5. Write a program which accept number from user and return difference between summation of even digits and summation of odd digits.

```
Input :	2395
Output :	-15	(2 - 17)

Input :	1018
Output :	6	(8 - 2)

Input :	8440
Output :	16	(16 - 0)

Input :	5733
Output :	-18	(0 - 18)
```

```
#include<stdio.h>

int CountDiff(int iNo)
{
	// Logic
}

int main()
{
	int iValue = 0;
	int iRet = 0;

	printf("Enter number");
	scanf("%d",&iValue);
```

```
        iRet = CountDiff(iValue);

        printf("%d",iRet);

        return 0;
}
```