# Logic Building Assignment : 2

Complete below code snippets it contains only service provider function.
Write entry point function to call below helper functions separately.
Create separate visual Studio project for each problem statement separately.

**1.Write a program which accept one number from user and print that number of even numbers on screen.**

**Input : 7**

**Output: 2 4 6 8 10 12 14**

```
void PrintEven(int iNo)
{
	if(iNo <= 0)
	{
		return;
	}

	// Logic
}

int main()
{
	int iValue = 0;

	printf("Enter number\n");

	scanf("%d",&iValue);

	PrintEven(iValue);

	return 0;
}
```

**2. Write a program which accept number from user and print even factors of that number.**

**Input : 24**

**Output: 1 2 4 6 8 12**

```
void DisplayFactor(int iNo)
{
	int i = 0;

	if(iNo <= 0)
	{
```

```
            iNo = -iNo;
        }

        for(i = 1; i<= __ ;i++)
        {
            if(_________)
            {
                print("%d",i)
            }
        }
}

int main()
{
        int iValue = 0;

        printf("Enter number\n");

        scanf("%d",&iValue);

        DisplayFactor(iValue);

        return 0;
}
```

**3. Write a program which accept number from user and print even factors of that number.**

**Input : 36**

**Output: 2 6 12 18**

```
void DisplayEvenFactor(int iNo)
{
        int i = 0;

        if(iNo <= 0)
        {
            iNo = -iNo;
        }

        for(i = 1; i<= __ ;i++)
        {
            if(_____&&____)
            {

            }
        }
}
```

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

	printf("Enter number\n");

	scanf("%d",&iValue);

	_____ (_____ );

	return 0;
}
```

**4. Accept one character from user and convert case of that character.**

**Input : a Output : A**

**Input : D Output : d**

```
_____ DisplayConvert ( _____ CValue)
{
	if(_____)
	{
		printf("% ___" , _____);
	}
	else if(_____)
	{
		printf("% ___" , _____);
	}
}

int main()
{
	char cValue = '\0';

	printf("Enter character\n");

	scanf("%c",&cValue);

	_____ (cValue );

	return 0;
}
```

**5. Accept on character from user and check whether that character is vowel (a,e,i,o,u) or not.**

**Input : E Output : TRUE**

**Input : d Output : FALSE**

```
typedef int _________ ;

# define TRUE ______
# define ___________ 0

__________ ChkVowel ( char _____)
{
        if(_______________)
        {
                ____________________
        }
        else
        {
                return FALSE;
        }
}

int main()
{
        char cValue = '\0';
        BOOL bRet = FALSE;

        printf("Enter character\n");

        scanf("%c",&cValue);

        bRet = __________ (cValue );

        if (bRet == ______)
        {
                printf("It is Vowel");
        }
        else
        {
                printf("It is not Vowel");
        }

        return 0;
}
```