

## Logic Building Assignment : 3

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("%c", _____);
    }
    else if( _____ )
    {
        printf("%c", _____);
    }
}

```

```

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;  
}
```