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("% ___" , _____);
        }
        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;
}
```