

Logic Building Assignment : 25

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.

Each project should contains below things

- File which contains entry point function
- File which contains helper function
- File which works as header file

1. Write a program which accept one number and position from user and check whether bit at that position is on or off. If bit is one return TRUE otherwise return FALSE.

Input : 10 2

Output : TRUE

```
BOOL ChkBit(UINT iNo, int iPos)
{
    // Logic
}
```

2. Write a program which accept one number and position from user and off that bit. Return modified number.

Input : 10 2

Output : 8

```
UINT OffBit(UINT iNo, int iPos)
{
    // Logic
}
```

3. Write a program which accept one number and position from user and on that bit. Return modified number.

Input : 10 3

Output : 14

```
UINT OnBit(UINT iNo, int iPos)
{
    // Logic
}
```

4. Write a program which accept one number and position from user and toggle that bit. Return modified number.

Input : 10 3

Output : 14

```
UINT ToggleBit(UINT iNo, int iPos)
{
    // Logic
}
```

5. Write a program which accept one number from user and toggle contents of first and last nibble of the number. Return modified number.

```
UINT ToggleBit(UINT iNo)
{
    // Logic
}
```

