

## Logic Building Assignment : 34

**Complete below code snippets it contains only service provider function.**

**Write entry point function to call below helper functions separately.**

**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. (Nibble is a group of four bits)**

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

