

## Logic Building Assignment : 49

Create separate visual Studio project for each problem statement separately.

### 1. Write a program which checks whether 15th bit is On or OFF.

#### Solution :

```
typedef int BOOL
typedef unsigned int UINT
```

```
#define TRUE 1
#define FALSE 0
```

```
BOOL ChkBit(UINT iNo)
{
    // Logic
}
```

### 2. Write a program which checks whether 5th & 18th bit is On or OFF.

#### Solution :

```
typedef int BOOL
typedef unsigned int UINT
```

```
#define TRUE 1
#define FALSE 0
```

```
BOOL ChkBit(UINT iNo)
{
    // Logic
}
```

**3. Write a program which checks whether 7th & 15th & 21st , 28th bit is On or OFF.**

**Solution :**

```
typedef int BOOL
typedef unsigned int UINT
```

```
#define TRUE 1
#define FALSE 0
```

```
BOOL ChkBit(UINT iNo)
{
    // Logic
}
```

**4. Write a program which checks whether 7th & 8th & 9th bit is On or OFF.**

**Solution :**

```
typedef int BOOL
typedef unsigned int UINT
```

```
#define TRUE 1
#define FALSE 0
```

```
BOOL ChkBit(UINT iNo)
{
    // Logic
}
```

**5. Write a program which checks whether first and last bit is On or OFF. First bit means bit number 1 and last bit means bit number 32.**

**Solution :**

```
typedef int BOOL
typedef unsigned int UINT
```

```
#define TRUE 1
#define FALSE 0
```

```
BOOL ChkBit(UINT iNo)
{
    // Logic
}
```

