

Logic Building Assignment : 23

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 from user and display its binary equivalent.

Input : 10
Output : 1010

```
void DisplayBinary(UINT iNo)
{
    while(_____)
    {
        _____;
        _____;
    }
}
```

2. Write a program which accept one number from user and display its binary equivalent without using any % and / operation. (Use bitwise operators)

Input : 10
Output : 1010

```
void DisplayBinaryX(UINT iNo)
{
    // Logic
}
```

3. Write a program which accept one number from user and check whether its 4th bit is on or off

Input : 10
Output : TRUE

```
BOOL ChkBit(UINT no)
{
    // Logic
}
```

4. Write a program which accept one number from user and check whether its 4th and 7th bit is on or off

Input : 10
Output : FALSE

```
BOOL ChkBit(UINT no)
{
    // Logic
}
```

5. Write a program which accept one number from user and count number on bits from that number.

Input : 10
Output : 4

```
int CountBit(UINT no)
{
    // Logic
}
```