



## Objective:

- How to Dry Run

## Given to PF – SE-F17 Quiz

### Task – 1:

I hope you know, how to dry run the code. In this question, you are required to dry run the code given below by filling the table which shows the tracing of variable's values during the execution of the given code.

Before you look at the given code: As help, I have given an example of how to fill the table of any code.

### Example:

```
int main()
{
    int N = 7;
    for (int i=0; i<N; i=i+1)
    {
        int j=i;
        cout<<"ok\n";
        j=i+1;
        i=i+1;
        j=i+1;
    }
    return 0;
}
```

N =	7														
i =	0	1	2	3	4	5	6	7	8						
j =	0	1	2	2	3	4	4	5	6	6	7	8			
Console															
ok															
ok															
ok															
ok															

You have to dry run the following code: Assume user enter N = 8315

```
int main()
{
    long int N;
    cin>>N;
    long int x = N;
    int a=0;
    int b=0;
    bool r=0;
    r = x%2;

    while( x != 0)
    {
        if (x%2)
            a=a+1;
        else
        {
            if (b < a)
                b = a;
            a=0;
        }
        x = x/2;
    }
    cout<< (b<a? a:b);
    return 0;
} // main end here
```

N =															
x =															
a =															
b =															
r =															
Console															