Assignment No.4

This is assignment Number 1 Q4.Find even odd number

Code:-

```c
#include<stdio.h>

void main(){
    int num=21;
    if(num%2==0){
        printf("This is Even number = %d \n",num);
        }
    else{
        printf("This is Odd number = %d \n",num);
        }

}
```

Algorithm:-

Step1:- Start
Step2:- Initialize num=21
Step3:- Check Check the number is Even or Odd
Step4:- if condition(num%2==0) is true then Print
          number is Even
Step5:- else print number is Odd
Step6:- End

Flowchart :-

```
                    ┌─────────────┐
                    │    Start    │
                    └─────────────┘
                          │
         ╱─────────────────────────────────╲
        ╱        Initialize num=21           ╲
        ╲                                     ╱
         ╲───────────────────────────────────╱
                          │
                    ╱─────────────╲
                   ╱   Check num%2==0 ╲──────────────┐
                   ╲                  ╱               │
                    ╲─────────────╱                  │
                          │                          │
        ┌─────────────────────────────────┐         │
        │      Print number is Even        │         │
        └─────────────────────────────────┘         │
                                                     │
   ┌──────────────────────────────────────────────┐ │
   │            Print number is Odd                │─┘
   └──────────────────────────────────────────────┘
                          │
                    ┌─────────────┐
                    │     End     │
                    └─────────────┘
```