Write a program to check odd or even number (a) using modulus operator (b) using bitwise operator (c) without using bitwise and modulus operator (d) using conditional operator.

```c
#include<stdio.h>//a
#include<conio.h>
int main()
{
    int num;
    printf("Enter any number:\t");
    scanf("%d",&num);
    if    (num%2==0)
    {
        printf("%d is even",num);
    }
    else
    {
        printf("%d is odd",num);
    }
    return 0;
}
```

```c
#include<stdio.h>//b
#include<conio.h>
int main()
{
    int num;
    printf("Enter any number:\t");
    scanf("%d",&num);
    if((num&1)==0)
    {
        printf("%d is even",num);
    }
    else
    {
        printf("%d is odd",num);
    }
    return 0;
}
```

```c
#include<stdio.h>//c
#include<conio.h>
int main()
{
   int num,q;
   printf("Enter any number:\t");
   scanf("%d",&num);
   q=num/2;
   q=q*2;
   if (q==num)
   {
      printf("The number is even");
   }
   else
   {
      printf("The number is odd");
   }
   return 0;
}
```

```c
#include<stdio.h>//d
#include<conio.h>
int main()
{
   int num;
   printf("Enter any number:\t");
   scanf("%d",&num);
   (num%2==0)?printf("The number is even"):printf("The number is odd");
   return 0;
}
```