**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.**

**#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;**

**}**

**#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;**

**}**

**#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;**

**}**

**#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;**

**}**