Write a program to identify if the number is even or odd

Description

Get a number as input from the user and check whether the given number is odd or even

Input

10

Output

Even

Input

5

Output

Odd

C Program

Method 1

```c
#include <stdio.h>
int main()
{
  int num;
  printf ("Enter a number: ");
  scanf ("%d", &num);
  if (num % 2 == 0)
    printf ("Even number");
  else
    printf ("Odd number");
  return 0;
}
```

Method 2

```c
#include <stdio.h>
int main()
{
    int num;
    printf ("Enter a number: ");
    scanf ("%d", &num);
    num%2 == 0? printf("Even number"):printf("Odd number");
    return 0;
}
```

Method 3

```c
#include <stdio.h>
int main()
{
    int num,result;
    printf ("Enter a number: ");
    scanf ("%d", &num);
    if(num & 1)
    result=1;
    else
    result =0;
    (result==1)? printf("Odd") : printf("Even");
    return 0;
}
```

C++ Program

Method 1

```cpp
#include <iostream>

using namespace std;

int main()

{

    int num;

    cout<<"Enter a number: ";

    cin>>num;

    if (num % 2 == 0)

        cout<<"Even number";

    else

        cout<<"Odd number";

    return 0;

}
```

Method 2

```cpp
#include <iostream>

using namespace std;

int main()

{

    int num;

    cout<<"Enter a number: ";

    scanf ("%d", &num);

    num%2 == 0? cout<<"Even number":cout<<"Odd number";

    return 0;

}
```

Method 3

```cpp
#include <iostream>
```

```cpp
using namespace std;

int main()
{
   int num,result;
   cout<<"Enter a number: ";
   cin>>num;
   if(num & 1)
   result=1;
   else
   result =0;
   (result==1)? cout<<"Odd" : cout<<"Even";
   return 0;
}
```

Java

Method 1

```java
import java.util.Scanner;

public class Main
{
        public static void main(String[] args) {
                Scanner sc = new Scanner(System.in);
        System.out.print("Enter the number : ");
        int num = sc.nextInt();
    if (num % 2 == 0)
        System.out.println("Even number");
    else
        System.out.println("Odd number");
    }
}
```

Method 2

```java
import java.util.Scanner;
public class Main
{
        public static void main(String[] args) {
            Scanner sc = new Scanner(System.in);
            System.out.print("Enter the number : ");
            int num = sc.nextInt();
        String result = num % 2 == 0 ? "Even number" : "Odd number";
        System.out.println (result);
      }
}
```

Python

Method 1

```python
num = int(input("Enter a number:"))
if num % 2 == 0:
  print("Even number")
else:
  print("Odd number")
```

Method 2

```python
num = int(input("Enter a number:"))
print("Even number") if num%2 == 0 else print("Odd number")
```

Method 3

```python
num = int(input("Enter a number:"))
if num&1:
   print("Odd")
```

```
else:
    print("Even")
```