

```
#include <stdio.h>
```

```
#include <stdbool.h>
```

```
bool checkYear(int year)
```

```
{
```

```
    if (year % 400 == 0)
```

```
        return true;
```

```
    if (year % 100 == 0)
```

```
        return false;
```

```
    if (year % 4 == 0)
```

```
        return true;
```

```
    return false;
```

```
}
```

```
int main()
```

```
{
```

```
    int year;
```

```
    printf("Enter a year :");
```

```
    scanf("%d",&year);
```

```
    checkYear(year)? printf("Leap Year"):
```

```
                    printf("Not a Leap Year");
```

```
    return 0;
```

```
}
```

