

```
Ch7ex11.py
1 def isLeap(year):
2     if year%4==0:
3         return False
4     elif year%100==0:
5         if year%400==0:
6             return True
7         else:
8             return False
9     else:
10        return True
11 def main():
12     print("This program calculates whether a year is a leap year or not.\n")
13     year=int(input("Enter a year:"))
14
15     if isLeap(year):
16         print(year,"is a leap year.")
17     else:
18         print(year,"is not a leap year.")
19 main()
20
```

```
dan@dan-Alienware-m15:~/Documents/School/CIS110/Excercises/Ch7$ python3 Ch7ex11.py
This program calculates whether a year is a leap year or not.
```

```
Enter a year:1974
```

```
1974 is a leap year.
```

```
dan@dan-Alienware-m15:~/Documents/School/CIS110/Excercises/Ch7$ python3 Ch7ex11.py
This program calculates whether a year is a leap year or not.
```

```
Enter a year:2100
```

```
2100 is not a leap year.
```

```
dan@dan-Alienware-m15:~/Documents/School/CIS110/Excercises/Ch7$ python3 Ch7ex11.py
This program calculates whether a year is a leap year or not.
```

```
Enter a year:2020
```

```
2020 is not a leap year.
```

```
dan@dan-Alienware-m15:~/Documents/School/CIS110/Excercises/Ch7$
```