

# CALCULATE AGE USING PYTHON

## SOURCE CODE:

```
Import time
```

```
From calendar import isleap
```

```
#judge the leap year
```

```
Def judge_leap_year(year):
```

```
    If isleap(year):
```

```
        Return True
```

```
    Else:
```

```
        Return False
```

```
#returns the number of days in each month
```

```
Def month_days(month, leap_year):
```

```
    If month in [1, 3, 5, 7, 8, 10, 12]:
```

```
        Return 31
```

```
    Elif month in [4, 6, 9, 11]:
```

```
        Return 30
```

```
    Elif month == 2 and leap_year:
```

```
        Return 29
```

```
    Elif month == 2 and (not leap_year):
```

```
        Return 28
```

```
Name = input(" input your name: " )
```

```
Age = input(" input your age: " )
```

```
Localtime = time.localtime(time.time())
```

```
Year = int(age)
```

```
Month = year * 12 + localtime.tm_mon
```

```
Day = 0
```

```
Begin_year = int(localtime.tm_year) - year
```

```
End_year = begin_year + year
```

```
# calculate the days
```

```
For y in range(begin_year, end_year):
```

```
    If (judge_leap_year(y)):
```

```
        Day = day + 366
```

```
    Else:
```

```
        Day = day + 365
```

```
Leap_year = judge_leap_year(localtime.tm_year)
```

```
For m in range(1, localtime.tm_mon):
```

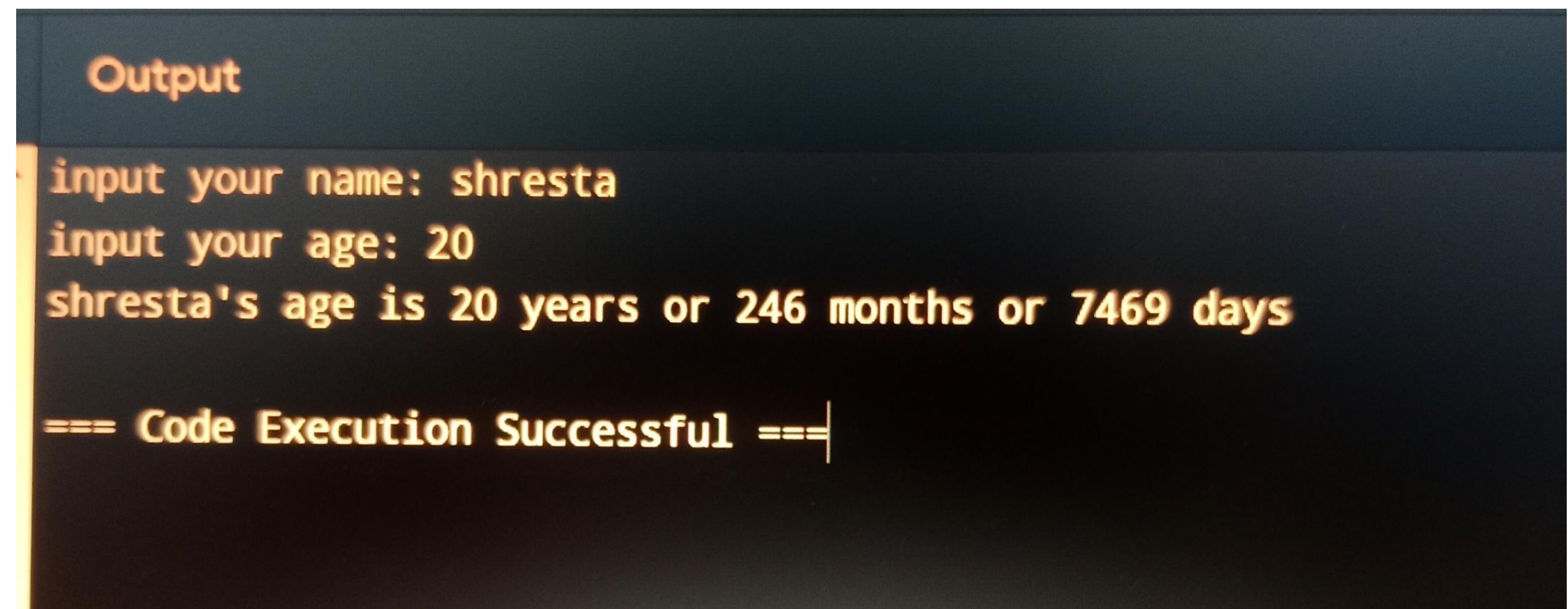
```
    Day = day + month_days(m, leap_year)
```

```
Day = day + localtime.tm_mday
```

```
Print(" %s' s age is %d years or" %(name, year), end=" " )
```

```
Print(" %d months or %d days" %(month, day))
```

## OUTPUT:



```
Output
input your name: shresta
input your age: 20
shresta's age is 20 years or 246 months or 7469 days
=== Code Execution Successful ===
```