

```
In [7]: the_base_of_triangle = 10
print("the base of triangle",the_base_of_triangle)
the_height_of_triangle = 20
print("the height of triangle",the_height_of_triangle)
area_of_the_triangle = 1/2*the_base_of_triangle*the_height_of_triangle
print("area of the triangle",area_of_the_triangle)
```

the base of triangle 10  
the height of triangle 20  
area of the triangle 100.0

```
In [13]: Year = 2024
if(Year % 4)==0:
    if(Year % 100)==0:
        if(Year % 400)==0:
            print("{0} is a leap year".format(Year))
        else:
            print("{0} is not a leap year".format(Year))
    else:
        print("{0} is a leap year".format(Year))
else:
    print("{0} is not a leap year".format(Year))
```

2024 is a leap year

```
In [28]: temperature_in_celsius=36
temperature_in_fahrenheit=(temperature_in_celsius*9/5+32)
print("temperature in fahrenheit",temperature_in_fahrenheit)
```

temperature in fahrenheit 96.8

```
In [26]: temperature_in_fahrenheit=54
temperature_in_celsius=(temperature_in_fahrenheit-32)*5/9
print("temperature in celsius",temperature_in_celsius)
```

temperature in celsius 12.222222222222221

In [ ]:

In [ ]:

In [ ]: