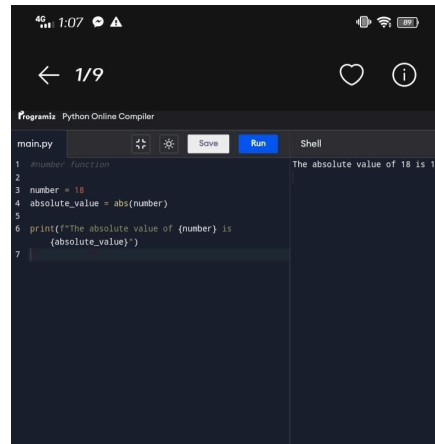


### #number function

```
number = 18
absolute_value = abs(number)

print(f"The absolute value of
{number} is {absolute_value}")
```



The screenshot shows a mobile browser interface with the address bar displaying 'programiz.com/'. Below the browser, the 'Programiz Python Online Compiler' is open. The code editor contains the following Python code:

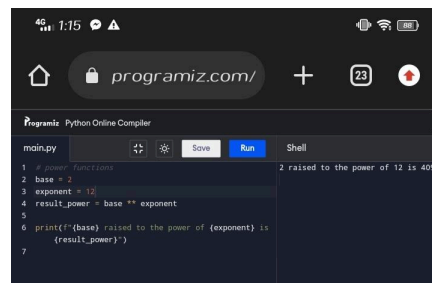
```
1 #number function
2
3 number = 18
4 absolute_value = abs(number)
5
6 print(f"The absolute value of {number} is
  {absolute_value}")
7
```

The output on the right side of the compiler shows: "The absolute value of 18 is 18".

### # power functions

```
base = 2
exponent = 12
result_power = base ** exponent

print(f'{base} raised to the power of
{exponent} is {result_power}')
```



The screenshot shows a mobile browser interface with the address bar displaying 'programiz.com/'. Below the browser, the 'Programiz Python Online Compiler' is open. The code editor contains the following Python code:

```
1 # power functions
2 base = 2
3 exponent = 12
4 result_power = base ** exponent
5
6 print(f'{base} raised to the power of {exponent} is
  {result_power}')
7
```

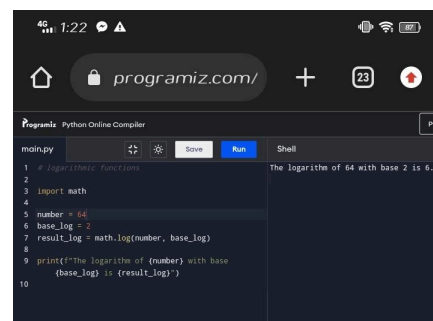
The output on the right side of the compiler shows: "2 raised to the power of 12 is 4096".

### # logarithmic functions

```
import math

number = 64
base_log = 2
result_log = math.log(number, base_log)

print(f"The logarithm of {number}
with base {base_log} is {result_log}")
```



The screenshot shows a mobile browser interface with the address bar displaying 'programiz.com/'. Below the browser, the 'Programiz Python Online Compiler' is open. The code editor contains the following Python code:

```
1 # logarithmic functions
2
3 import math
4
5 number = 64
6 base_log = 2
7 result_log = math.log(number, base_log)
8
9 print(f"The logarithm of {number} with base
  {base_log} is {result_log}")
10
```

The output on the right side of the compiler shows: "The logarithm of 64 with base 2 is 6.0".

## # trigonometric functions

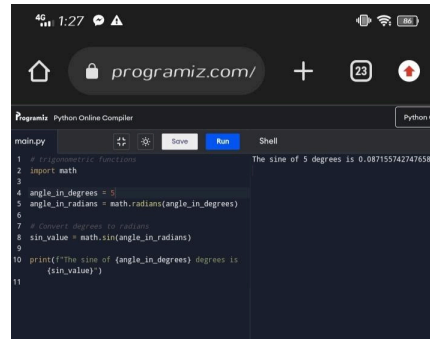
import math

```
angle_in_degrees = 5
angle_in_radians =
math.radians(angle_in_degrees)
```

# Convert degrees to radians

```
sin_value = math.sin(angle_in_radians)
```

```
print(f"The sine of {angle_in_degrees}
degrees is {sin_value}")
```



The screenshot shows a web browser at programiz.com with a Python Online Compiler. The code in the editor is as follows:

```
1 # trigonometric functions
2 import math
3
4 angle_in_degrees = 5
5 angle_in_radians = math.radians(angle_in_degrees)
6
7 # Convert degrees to radians
8 sin_value = math.sin(angle_in_radians)
9
10 print(f"The sine of {angle_in_degrees} degrees is
    {sin_value}")
11
```

The output on the right shows: "The sine of 5 degrees is 0.08715574274765817".

## # angular conversion function

import math

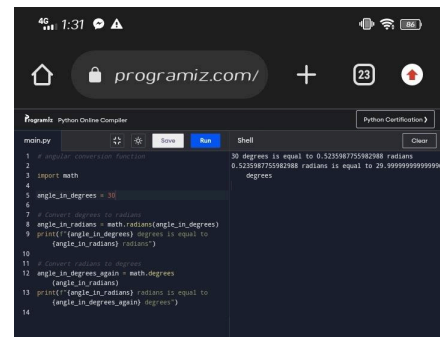
```
angle_in_degrees = 30
```

# Convert degrees to radians

```
angle_in_radians = math.radians(angle_in_degrees)
print(f"{angle_in_degrees} degrees is equal to
{angle_in_radians} radians")
```

# Convert radians to degrees

```
angle_in_degrees_again =
math.degrees(angle_in_radians)
print(f"{angle_in_radians} radians is equal to
{angle_in_degrees_again} degrees")
```



The screenshot shows a web browser at programiz.com with a Python Online Compiler. The code in the editor is as follows:

```
1 # angular conversion function
2
3 import math
4
5 angle_in_degrees = 30
6
7 # Convert degrees to radians
8 angle_in_radians = math.radians(angle_in_degrees)
9 print(f"{angle_in_degrees} degrees is equal to
    {angle_in_radians} radians")
10
11 # Convert radians to degrees
12 angle_in_degrees_again = math.degrees
    (angle_in_radians)
13 print(f"{angle_in_radians} radians is equal to
    {angle_in_degrees_again} degrees")
14
```

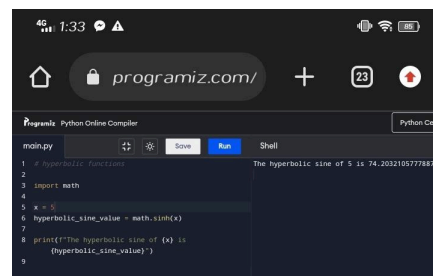
The output on the right shows: "30 degrees is equal to 0.5235987755982988 radians" and "0.5235987755982988 radians is equal to 29.999999999999996 degrees".

## # hyperbolic functions

import math

```
x = 5
hyperbolic_sine_value = math.sinh(x)
```

```
print(f"The hyperbolic sine of {x} is
{hyperbolic_sine_value}")
```



The screenshot shows a web browser at programiz.com with a Python Online Compiler. The code in the editor is as follows:

```
1 # Hyperbolic Functions
2
3 import math
4
5 x = 5
6 hyperbolic_sine_value = math.sinh(x)
7
8 print(f"The hyperbolic sine of {x} is
    {hyperbolic_sine_value}")
9
```

The output on the right shows: "The hyperbolic sine of 5 is 74.20321057778875".