

```
p3.py - D:/korou/p3.py (3.11.1)
File Edit Format Run Options Window Help
# Exponents and Logarithms functions
print("sqrt() : ",math.sqrt(23))
print("pow() : ",math.pow(23,4))
print("value of e : ",math.e)
print("exponent() : ",math.exp(5))
print("log of base 10 : ",math.log10(5))
print("log of base 2 : ",math.log2(5))
print("log() : ",math.log(5,3))
print()
print("Trigonometric functions")
print("degree : ",math.degrees(math.pi/2))
print("radians : ",math.radians(180))
print("sin() : ",math.sin(math.pi/2))
print("cos() : ",math.cos(math.pi))
print("tan() : ",math.tan(math.pi/4))
print()

print("Algebraic functions")
print("factorial() : ",math.factorial(40))
print("gcd() : ",math.gcd(25,45,4))
I
```



## #P3 - Math Module

```
import math
```

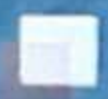
```
print("value of pi : ", math.pi)
print("fabs function : ", math.fabs(-21))
print("trunc function : ", math.trunc(math.pi))
print("ceil fuction : ", math.ceil(23.23234235))
print("floor function : ", math.floor(23.23234235))
print("Round() : ", round(23.23234235))
print("fmod : ", math.fmod(15.2, 3))
print()
```

```
# Exponents and Logarithms functions
```

```
print("sqrt() : ", math.sqrt(23))
print("pow() : ", math.pow(23, 4))
print("value of e : ", math.e)
print("exponent() : ", math.exp(5))
print("log of base 10 : ", math.log10(5))
print("log of base 2 : ", math.log2(5))
print("log() : ", math.log(5, 3))
print()
```



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choice = int(  
if (choice =



$$\log_{10} 100 = 2$$

#include <math.h>

Decimal functions

① fabs

② trunc

③ ceil

④ floor

⑤ round

⑥ fmod (15.2, 3)

⑦ modf (16.29)

① pi

② e

③ inf

Exponents and Logarithms

① sqrt ( )

② pow (b, e)

③ exp ( )

④ log10 ( )

⑤ log2 ( )

⑥ log (x, b)

Trigonometric

① degrees ( )

② radians ( )

③ sin ( )

④ cos ( )

⑤ tan ( )

Algebraic function

① factorial ( )

② gcd ( )

))

number:"))

math. fabs (val))