



Output:

- 1) Python test.py or py test.py
- 2) a+b= 12
- 3) a-b= 8
- 4) a*b= 20
- 5) a/b= 5.0
- 6) a//b= 5
- 7) a%b= 0
- 8) a**b= 100

Eg:

- 1) a = 10.5
- 2) b=2
- 3)
- 4) a+b= 12.5
- 5) a-b= 8.5
- 6) a*b= 21.0
- 7) a/b= 5.25
- 8) a//b= 5.0
- 9) a%b= 0.5
- 10) a**b= 110.25

Eg:

```
10/2==>5.0
10//2==>5
10.0/2==>5.0
10.0//2==>5.0
```

Note: / operator always performs floating point arithmetic. Hence it will always returns float value.

But Floor division (//) can perform both floating point and integral arithmetic. If arguments are int type then result is int type. If atleast one argument is float type then result is float type.

Note:

We can use +, * operators for str type also.

If we want to use + operator for str type then compulsory both arguments should be str type only otherwise we will get error.

- 1) >>> "durga"+10
- 2) TypeError: must be str, not int
- 3) >>> "durga"+"10"
- 4) 'durga10'