Factorial Python

Function:

$$f(x, b) = (x^b)!$$

Code:

```python
1  def fact(x,b):
2      exp_result = x
3      for _ in range(b-1):
4          exp_result = exp_result * x
5      result = 1
6      for i in range(2, exp_result+1):
7          result = result * i
8      return result
9
10 print(fact(3,2))
```

Output:

```
362880

Process finished with exit code 0
```