# Exercise 1

In [3]:
```
import math as m
```

In [27]:
```
n = int(input("Enter the number: "))

def square_root(n):
    return m.sqrt(n)

Ans = square_root(n)
print(f"The square root of {n} is {Ans}.")
```

```
The square root of 121 is 11.0.
```

# Exercise 2

In [9]:
```
import random as r
```

In [23]:
```
def random_number():
    return r.randint(1, 10)

num = random_number()
print(f"Random number between 1 and 10 is {num}.")
```

```
Random number between 1 and 10 is 5.
```

In [25]:
```
random_number()
```

Out[25]:
```
2
```

# Exercise 3

In [33]:
```
a = int(input("Enter the number: "))

def factorial(a):
    return m.factorial(a)

Answ = factorial(a)
print(f"The factorial of {a} is {Answ}.")
```

```
The factorial of 5 is 120.
```

In [ ]:
```

```