

Python Program to calculate the square root

Note: change this value for a different result

num = 8

To take the input from the user

#num = float(input('Enter a number: '))

num_sqrt = num ** 0.5

print('The square root of %0.3f is %0.3f'%(num ,num_sqrt))

Temperature conversion program in python

Function to convert Celsius to Fahrenheit

def celsius_to_fahrenheit(celsius):

 fahrenheit = (celsius * 9/5) + 32

 return fahrenheit

Input temperature in Celsius

celsius = float(input("Enter temperature in Celsius: "))

Convert Celsius to Fahrenheit

fahrenheit = celsius_to_fahrenheit(celsius)

Display the result

print("Temperature in Fahrenheit:", fahrenheit)

How to generate a random number between 0 to 100

import random

Generate a random number between 1 and 100 (inclusive)

random_number = random.randint(1, 100)

Display the random number

print("Random number:", random_number)

Swap values of two numbers

Input the numbers from the user

num1 = float(input("Enter the first number: "))

```
num2 = float(input("Enter the second number: "))
```

```
# Swap the numbers using a temporary variable
```

```
temp = num1
```

```
num1 = num2
```

```
num2 = temp
```

```
# Print the swapped numbers
```

```
print("After swapping:")
```

```
print("First number:", num1)
```

```
print("Second number:", num2)
```

```
# How to check if number is odd or even
```

```
number = int(input("Enter a number: "))
```

```
if number % 2 == 0:
```

```
    print("The number is even")
```

```
else:
```

```
    print("The number is odd")
```

```
# How to check if number is odd or even
```

```
number = int(input("Enter a number: "))
```

```
if number % 2 == 0:
```

```
    print("The number is even")
```

```
else:
```

```
    print("The number is odd")
```

```
# Check given number is positive, negative or 0
```

```
number = float(input("Enter a number: "))
```

```
if number > 0:
```

```
    print("The number is positive")
```

```
elif number < 0:
```

```
    print("The number is negative")
```

else:

```
    print("The number is zero")
```