

# Important Python Functions

## Input/Output Functions

- `print()`: Display output
- `input()`: Get user input



## Math Functions

- `abs()`: Absolute value
- `pow()`: Power calculation
- `round()`: Round number
- `min()`: Smallest value
- `max()`: Largest value
- `sum()`: Sum of elements

# File Handling Functions

## File Handling Functions

- `open()`: Open file
- `close()`: Close File
- `read()`: Read file
- `write()`: Write file



## Miscellaneous Functions

- `help()`: Get documentation
- `dir()`: List attributes
- `globals()`: Get global variables
- `locals()`: Get local variables
- `callable()`: Check if callable

## Memory Management Functions

- `id()`: Get memory address
- `hash()`: Hash value

## Iterators & Generators

- `iter()`: Get iterator
- `next()`: Next element
- `range()`: Generate sequence



## Type Conversion Functions

- `set()`: convert to set
- `dict()`: convert to dictionary
- `int()`: Convert to integer
- `float()`: Convert to float
- `str()`: Convert to string
- `bool()`: Convert to boolean
- `list()`: Convert to list
- `tuple()`: Convert to tuple

## String Functions

- `ord()`: Unicode of character
- `chr()`: Character from Unicode
- `format()`: Format string
- `repr()`: String representation



## Sequence Functions

- `len()`: Length of object
- `sorted()`: Sort items
- `reversed()`: Reverse items
- `enumerate()`: Index with elements
- `zip()` : Pair elements

## Error Handling Functions

- eval(): Evaluate expression
- exec(): Execute code
- compile(): Compile code

## Functional Programming Functions

- map(): Apply function
- filter(): Filter elements
- reduce() : Apply cumulative function
- lambda : Anonymous function