

# filter() Function

Unlock the world of coding

*Pankaj Chouhan*

[www.codeswithpankaj.com](http://www.codeswithpankaj.com)

**The filter() function** is used to filter elements of an iterable based on a condition. It takes a function (which returns True or False) and an iterable.

## Syntax

```
filter(function, iterable)
```

Unlock the world of coding

## Filtering Even Numbers

```
numbers = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
```

```
# Using lambda with filter
```

```
even_numbers = list(filter(lambda x: x % 2 == 0, numbers))
```

```
print(even_numbers) # Output: [2, 4, 6, 8, 10]
```

## Filtering Words

```
words = ["apple", "banana", "cherry", "avocado"]
```

```
# Filter words that start with 'a'
```

```
filtered_words = list(filter(lambda word: word.startswith('a'), words))
```

```
print(filtered_words) # Output: ['apple', 'avocado']
```

Unlock the world of coding