The function set () in Python

In this article, TipsMake.com will learn with you about set (), syntax, parameters and specific examples. Invites you to read the track.

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Syntax of set () function in Python

```
set([iterable])
```

Parameters of the set () function

Python's set () constructor has a single parameter:

1. `iterable` (optional): objects can be *string, tuple, set, list, dictionary.* .or *iterator object* .

The value returned from set

1. If no parameters are passed, set () creates an empty set.
2. If iterable is passed as a parameter, it will create a set of elements in iterable.

Example 1: Create a collection from string, tuple, list, range

```
 # t?p h?p r?ng print(set()) # string print(set('Python')) # tuple # vi?t b
?
i TipsMake.com print(set(('a', 'e', 'i', 'o', 'u'))) # list print(set(['a', 'e',
```

Running the program, the result is returned:

```
set() {'P', 'o', 't', 'n', 'y', 'h'} {'a', 'o', 'e', 'u', 'i'} {'a', 'o', 'e', '
```

Example 2: Create a collection from set, dictionary and frozen set

```
 # set print(set({'a', 'e', 'i', 'o', 'u'})) # dictionary # vi?t b?
i TipsMake.com print(set({'a':1, 'e': 2, 'i':3, 'o':4, 'u':5})) # frozen set froz
```

Running the program results in:

```
{'a', 'o', 'i', 'e', 'u'} {'a', 'o', 'i', 'e', 'u'} {'a', 'o', 'e', 'u', 'i'}
```

Example 3: Creating a collection from an iterator object

```
class PrintNumber: def __init__(self, max): self.max = max def __iter__(self): se
?o set # vi?t b?i TipsMake.com print(set(printNum))
```

Running the program results in:

```
 {1, 2, 3, 4, 5}
```

See also: Python built-in functions