

Find the range using dict() Constructor

```
d = dict()
for i in range(1,10):
    d[i] = i*i
print(d)
```

```
d[i] = i*i
1 = 1 * 1 = 1
2 = 2 * 2 = 4
3 = 3 * 3 = 9
4 = 4 * 4 = 16
5 = 5 * 5 = 25 ...'''
```

Output

```
{1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36, 7: 49, 8: 64, 9: 81}
```

Find the range using dictionary comprehension

```
{key: value for item in iterable}
d = {i: i*i for i in range(1, 10)}
print(d)
```

Output

```
{1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36, 7: 49, 8: 64, 9: 81}
```

2nd approach

```
d = dict((x, x * x) for x in range(1,10))
print(d)
```

Output

```
{1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36, 7: 49, 8: 64, 9: 81}
```