

# Find outputs (Home work)

a = range(10, 50, 5)

print(type(a)) # <class 'range'>

print(a) # range(10, 50, 5)

print(\*a) # 10 15 20 25 30 35 40 45  
                    (unpacked values)

print(id(a)) # some unique ID

print(len(a)) # 8 (8 elements)

print(\*a[2:7], sep=',') # 20, 25, 30, 35, 40

print(\*a[::-1]) # reverses the range: 45 40 35  
                    30 25 20 15 10

a[4] = 32 # Error range objects are immutable

print(a\*2) # range doesn't support \*2  
                    multiplication

# Find outputs (Home work)

a = range(10, 20)

print(\*a, sep=';') # 10; 11; 12; 13; 14; 15; 16  
                    17; 18; 19.

b = range(5)

print(\*b) # 0 1 2 3 4

c = range(10, 1, -1)

print(\*c, sep='...') # 10...9...8...7...6...5...  
                    ...3...2

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d = range(-10, 0)
print(*d) # -10 -9 -8 -7 -6 -5 -4 -3 -2 -1
e = range(-10)
print(*e) # Empty (nothing)
def f = range(2, 2)
print(*f) # Empty
g = range(10, 11, 0.1) # Error
                        range() only works with integers.
h = range('A', 'F') # Error
                        range() needs integers, not string
    
```

# find outputs (Home work)

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r = range(10, 17, 3) # generates 10, 13, 16.
a, b, c = r          # a=10, b=13, c=16. unpacks.
print(a, b, c)       # 10 13 16.

s = range(3)          # 0, 1, 2.
x, y = s              # tries to unpack three values
                      # into two variables

p, q, r, s = s        # same range(3) is 0, 1, 2.
    
```

⇒ this tries to unpack three values into four variables.