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
```

```
d = range (-10, 0)
print (*d)  # -10 -9 -8 -7 -6 -5 -4 -3 -2 -1
e = range(-10)
print (*e)  # Empty (nothing)
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 strings
```

```
# find outputs (Home work)
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.

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

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

=> This tries to unpack three values into
four variables.
```