```
In [2]: #A Riemann sum is an estimation of the area under a curve using rectangles. The right #Rn = f(a + \Delta x)\Delta x + f(a + 2\Delta x)\Delta x + \cdots \cdots + f(a + n\Delta x)\Delta x = f(a + k\Delta x)\Delta x, k=1 #where \Delta x = b-a, is the width of the rectangles. Write a Python function to take in a #f, two interval endpoints a and b, and the number of rectangles n, and then outputs the width of the triangles and the number of rectangles n, and then outputs the figure out the width of the triangles and the sum total = sum(f(a + k * delta_x) * delta_x for k in range(1, n + 1))

return total

#use to get Rn import math result = right_riemann_sum(math.sin, 0, math.pi / 2, 1000) print(result)
```

1.0007851925466311