

Algorithm

Step 1:- Take input from user

a: = lower limit

b: = upper limit

Calculate mid value for biased probability

$$\text{mid_value} = (a+b)/2$$

Calculate range of biased number by mid value.

(exclude mid_val) e.g 73% above 5 and 27% below 5

min_list = value from range 'a' to mid_val-1
 max_list = range from mid_val+1 to b+1

Calculate random number (Pseudo-random number Generator)

while (length of max_list != 73)

$$\text{num} = (\text{current_time} + \text{increment_value} * \text{multiplier}) \mod$$

$$\text{val} = \text{number} / \text{mod}$$

$$\text{val_in_range} = (\text{mid_val} + 1) + \text{val} * ((b+1) - (\text{mid_val} + 1))$$

add value in range of max_list

while (len of mid-list \neq 27)

num = (current time + increment value * multiplier) % mod

value = num / mod

value in range = a + value * (mid value - 1) - a

add value in range to min-list

Show min-list, max-list

and final list (concatenate (min-list + max-list))