Function for Slope

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$$m = \begin{cases} 10, & 0 \le x \le 10 \\ 40, & 11 \le x \le 60 \\ 40 \cdot (t-60), & 61 \le x \le 100 \end{cases}$$

Calculating total widgets

$$f(x) = mx$$

Answer is equal to: $\int_0^{\text{user input}} f(x)$

Additional Notes

- user input must be between 0-100
- provide clear instructions to user
- Give error message if wrong input is given

Def slope (days)
    x gives slope on given day

Find widgets given slope

  if (day 0 - 10)
    day * slope = widget

elif (day 11 - 60)
    widget = ((day-10) x slope) + (day = 10)

else
    m = slope @ 60
    while (dayover 60 > 0)
     m += 40 (dayover60 - 60)
    day over 60 - 1