

initial val = 0  
 final val = 300  
 Step val = 20

temp in F	temp in C
0	→
20	
40	
...	
300	→

Formula to convert  
 F into celsius

$$\text{temp in C} = \left( \frac{5}{9} \right) (F - 32)$$

In C.S.

if any  $\frac{\text{int}}{\text{int}} = \text{integer}$ .

$$\frac{7}{3}$$

$$= 2.3334$$

integral part  
 consider  
 wei

$$\begin{array}{r} 3 \overline{) 7} 2.333 \dots \\ \underline{6} \\ 10 \\ \underline{9} \\ 10 \end{array}$$

$$\text{temp in C} = \left( \frac{5}{9} \right) (F - 32)$$

$$\begin{array}{l} \downarrow \\ 0.515 - \dots \\ \downarrow \\ 0 \times (16 - 32) \end{array}$$

$$\frac{\text{int}}{\text{int}} \rightarrow \text{int} \quad | \quad \frac{\text{int}}{\text{float}}, \frac{\text{fl}}{\text{int}}, \frac{\text{fl}}{\text{fl}} \rightarrow \text{float}$$

$$\sqrt{17} = 4. \quad \begin{array}{c} \text{1st} \quad \text{2nd} \quad \text{3rd} \\ \hline \end{array} \quad \begin{array}{c} \text{decimals} \\ = \end{array}$$

$$\text{num} = 16.$$

$$\begin{array}{l} \text{ctr} = 1 \\ \text{if } \text{ctr} \times \text{ctr} \leq 16 \quad ? \\ \quad \text{ctr} \end{array}$$

$$\text{ctr}++$$

$$2 \times 2 \leq 16 \quad \checkmark$$

$$\text{ctr}++$$

$$3 \times 3 \leq 16 \quad \checkmark$$

$$4 \times 4 \leq 16 \quad \checkmark$$

$$5 \times 5 \leq 16 \quad \times$$

$$\text{cout} << \text{ctr} - 1$$