

Subtypes of Basic datatypes # L1.8

- Sequence number $\rightarrow 0 - \overset{(\text{Max})}{\text{Range}}$ (Reasonable)
 - \hookrightarrow no integer operation doesn't make any sense.
- Marks $\rightarrow +ve, 0, -100$ (For one subject)
 - $\hookrightarrow +$ (add), $-$ but, \times, \div no sense

- count $\rightarrow +ve, 0 - \text{Max Range}$

$\hookrightarrow +, - \Rightarrow$ Integer Result, $<, >, = \Rightarrow$ Boolean

All these were integers

- characters \rightarrow Gender \rightarrow values M/F
 - $\hookrightarrow =, \text{Boolean Result}$

- string - values \rightarrow any sequence of characters
 - \hookrightarrow char in string? \Rightarrow Boolean Result
 - $\hookrightarrow = \Rightarrow$ Boolean Result.

- Name (strings) - values \rightarrow strings with no special characters.

- city (strings) - strings with no special character value
- words - strings with alphanumeric and ., ; : ..
- category - values can take only prescribed values like
"verb", "Noun", "Adjective", etc.