

# Logic Building Practice

## Number Based Problem:

**Number= 1234**

1. Split All the digits
  2. Sum of All digits
  3. Sum of even numbers
  4. Sum of odd numbers
  5. Reverse the number
  6. Occurrence of each digits
  7. Cumulative sum of the digits until get a single digit ( $1+2+3+4 = 10 \Rightarrow 1+0=1$ )
  8. Cyclic Sum- Example  $(1+2+3+4)+(2+3+4)+(3+4)+4$
  9. Remove duplicate digits
  10. Swapping the even and odd position ( $1234 \Rightarrow 2143$ )
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## String Based Problem:

**String= "Wipro's Talent Transformation - 2017!"**

1. Reverse the given string
  2. Reversing each word in a given string
  3. Counting the occurrence of given character
  4. Counting the occurrence of each character
  5. Counting the number of digits
  6. Counting the number of special characters
  7. Remove duplicate characters
  8. Remove the given character
  9. Sort all the characters in a given string  
(Example: "Wipro's Talent Transformation - 2017!" $\Rightarrow$  '!-0127TTWaaefiilmnnnooprssstt' )
  10. Convert all lower case into Upper case and all uppercase into lower case
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