

Steps followed

- 1) We take the input from the user and immediately convert the input into a float data type, catch and display an error message if any error occurs during the conversion, this helps in catching values that are not numbers.
- 2) Verify for the Maximum value (9,99,99,999.99)
- 3) Verify that No 0 or any negative numbers should be given as input.
- 4) Then we split the number into integer value and decimal value
- 5) Under Decimal value –
 - a. Verify that the value is in the range of 0 – 99
 - b. Convert the value to string and add it to the decimal result string
- 6) Under Integer value we have 2 functions
 - a. valueToSting – In this function we take the value between 1 – 100 and convert that value into its respective string using the words dictionary.
 - b. getTotalValue – In this function we iterate from left to right of the number. logic used here is

Isolating the digits for the given denomination.

For example, for a denomination of a Lakh we use

$$1223340 - 1223340 \% 100000 = 1200000$$

$$1200000 / 100000 = 12$$

After isolating the value we use the valueToSting function to get the string equivalent of the number and append it with the given denomination.

In the above example 12 would get the value as “ Twelve Lakh “.

After running through all the denominations, we combine all the strings and print the output.