

Grammar for JSON:

Start --> Value Start

--> ϵ

Value --> Object

--> Array

--> string

--> number

--> true

--> false

--> null

Object --> left_brace First_Pair right_brace

First_Pair --> string colon Value Second_Pair

-->

Second_Pair --> comma string colon Value Second_Pair

--> ϵ

Array --> left_bracket First_Array_Value right_bracket

First_Array_Value --> Value

--> Value Second_Array_Value

--> ϵ

Second_Array_Value --> comma Value Second_Array_Value

First and Follow Sets

	First Set	Follow Set
Start	{left_brace, left_bracket, string, number, true, false, null}	{ $\$$ }
Value	{left_brace, left_bracket, string, number, true, false, null}	{comma, right_brace, right_bracket, $\$$ }
Object	{left_brace}	{comma, right_brace, right_bracket, $\$$ }
First_Pair	{string, ϵ }	{right_brace}
Second_Pair	{comma, ϵ }	{right_brace}
Array	{left_bracket}	{comma, right_brace, right_bracket, $\$$ }
First_Array_Value	{left_brace, left_bracket, string, number, true, false, null, ϵ }	{right_bracket}
Second_Array_Value	{comma, ϵ }	{right_bracket}

Parse Table

	string	number	true	false	null	l_curly	r_curly	l_square	r_square	comma	\$
Value	string	number	true	false	null	Object		Array			ε
Object						l_curly First_Pair r_curly					ε
First_Pair	string colon Value Second_Pair						ε				
Second_Pair							ε			comma string colon Value Second_Pair	
Array								l_square First_Array_Value r_square			ε
First_Array_Value	Value Second_Array_Value	Value Second_Array_Value	Value Second_Array_Value	Value Second_Array_Value	Value Second_Array_Value	Value Second_Array_Value		Value Second_Array_Value	ε		
Second_Array_Value									ε	comma Value Second_Array_Value	