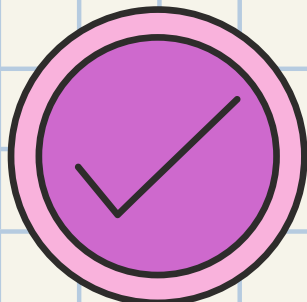
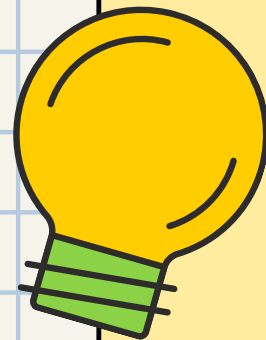
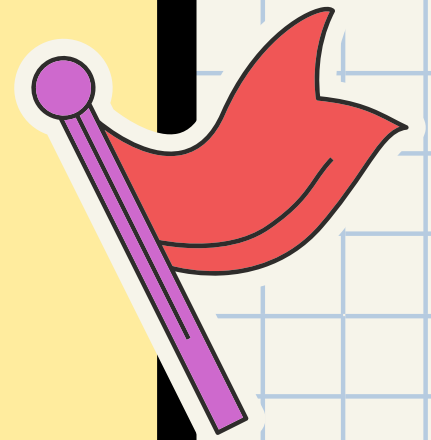
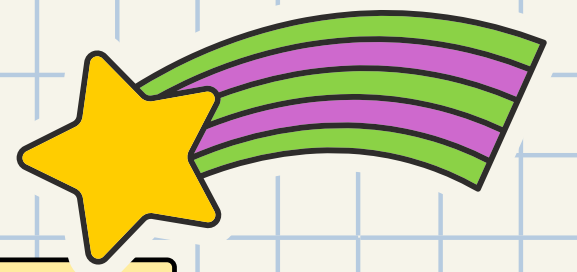


INTRODUCTION TO JASCRIP



Javascript

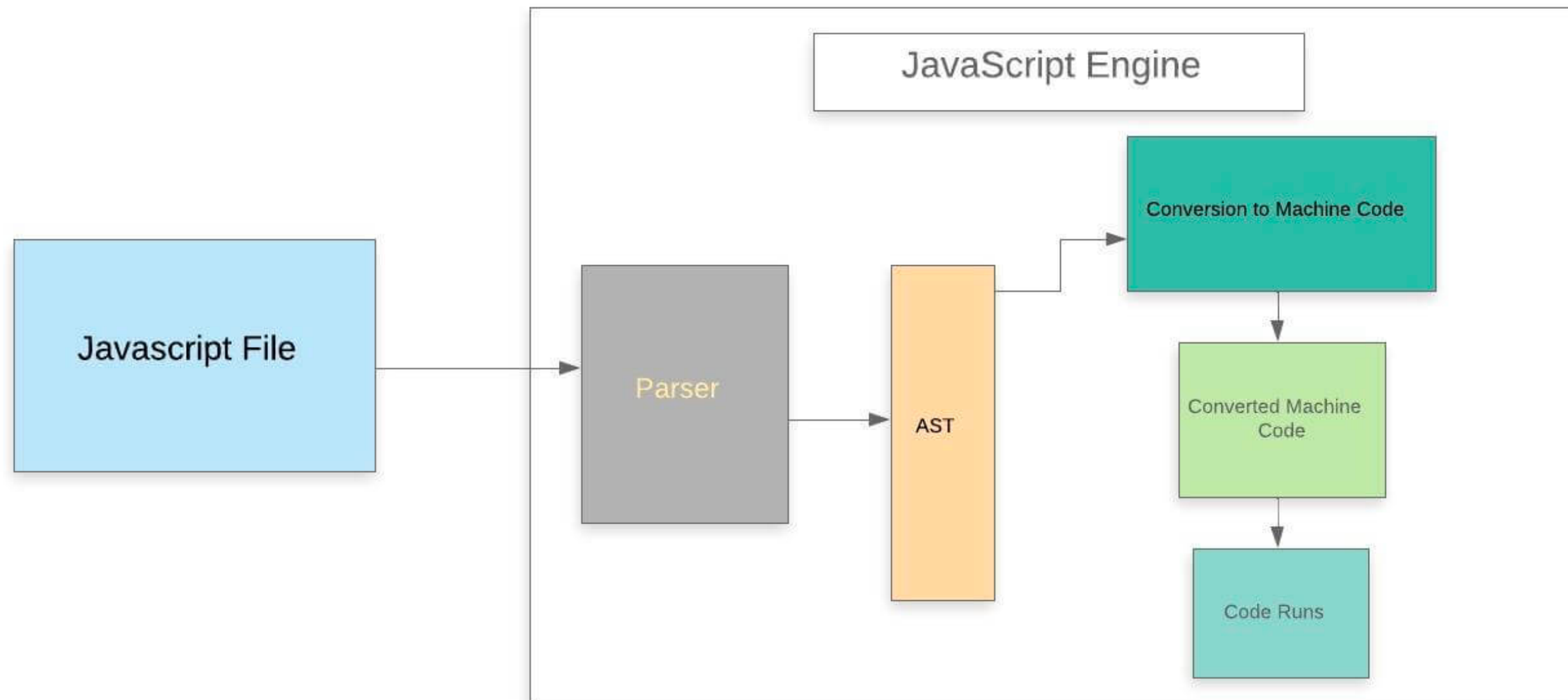
JavaScript is a scripting language that enables you to create dynamically updated content, control multimedia, animate images, and much more.

In HTML, JavaScript code is inserted between `<script>` and `</script>` tags.

```
<script>  
const x = 12;  
</script>
```



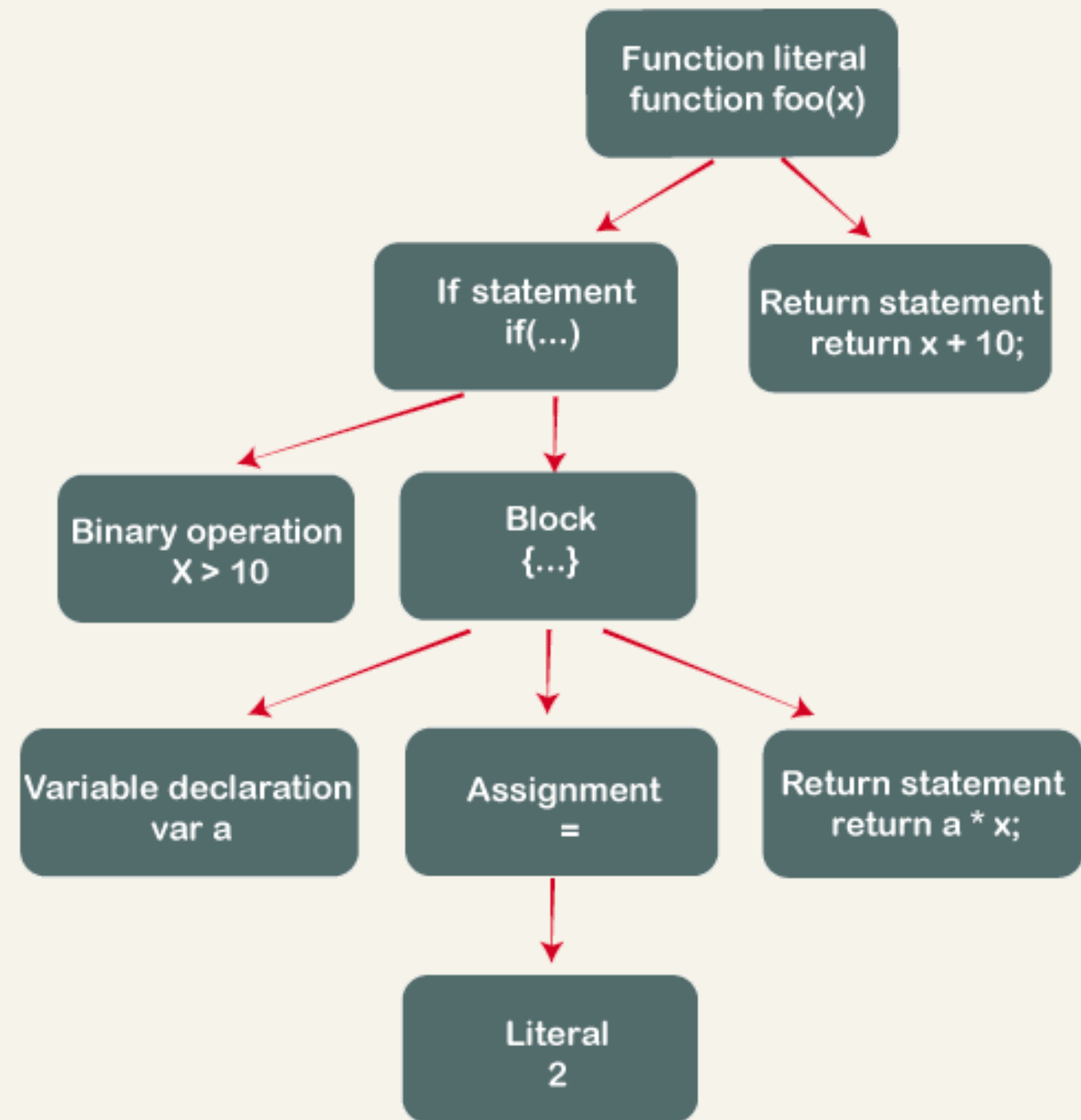
How Javascript works?



Abstract Syntax Tree

Program

```
function fun(x) {  
  if (x > 15) {  
    var a = 4;  
    return a * x;  
  }  
  
  return x + 10;  
}
```



Variables in Javascript

Variables are containers for storing data (storing data values). We can declare a variable by using these keywords.

- Using **let** for declaring block-scoped variables (new)
- Using **const** for declaring constant variables



Rules for writing variable names

- Variable names must start with either a letter, an underscore _, or the dollar sign \$
- Variable names cannot start with numbers.
- JavaScript is case-sensitive.
- Keywords cannot be used as variable names.



Keywords

break	byte	case	catch
char	class*	const	continue
debugger	default	delete	do
double	else	enum*	eval
export*	extends*	false	final
finally	float	for	function
goto	if	implements	import*
in	instanceof	int	interface
let*	long	native	new
null	package	private	protected
public	return	short	static
super*	switch	synchronized	this
throw	throws	transient	true
try	typeof	var	void