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# JAVA AS A MODERN LANGUAGE

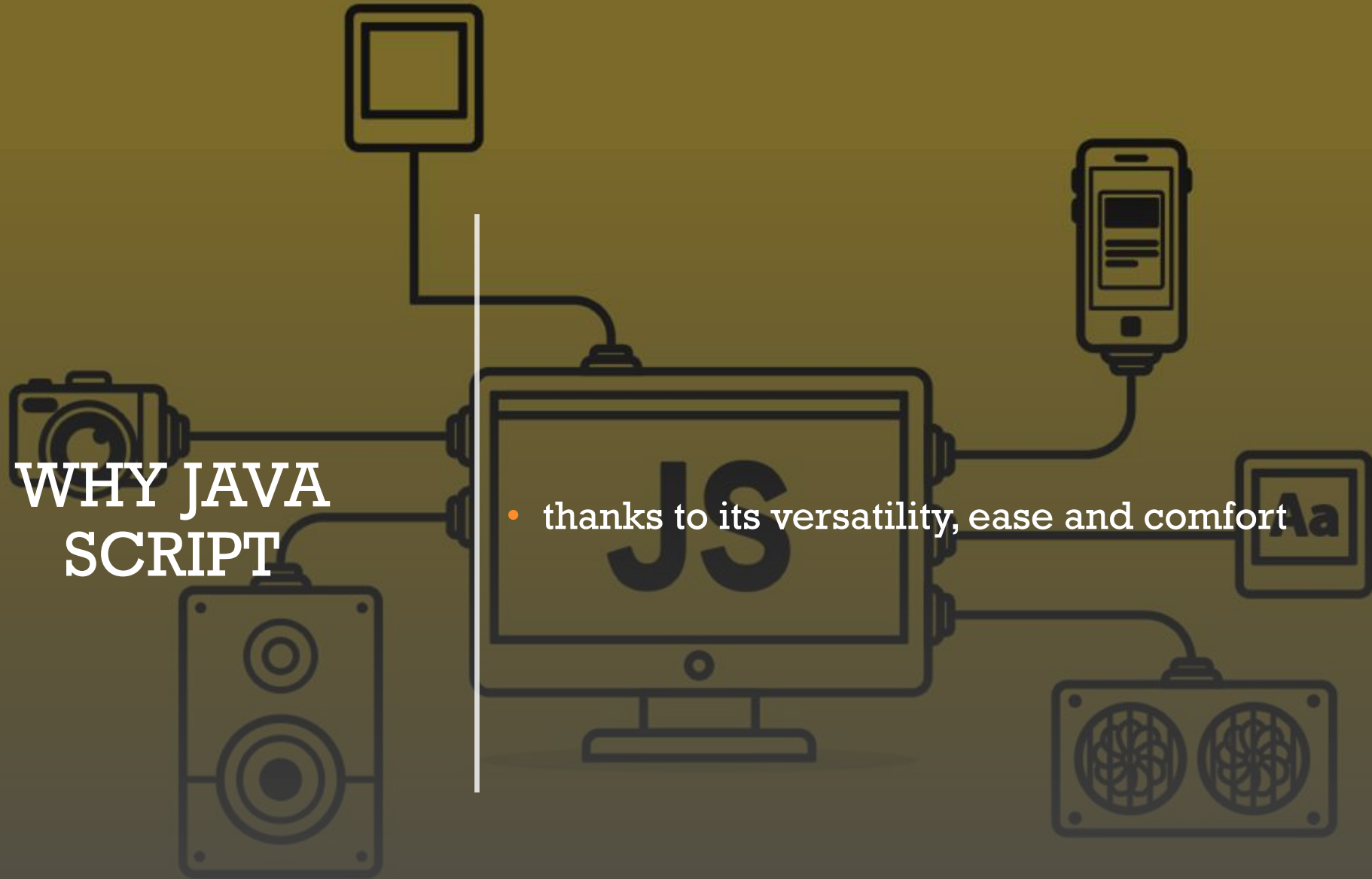
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*Scientific advisor: Ph.D. associated professor*

*Fakhertdinova D.I.*

# WHY JAVA SCRIPT

- thanks to its versatility, ease and comfort



# IN THE FUTURE

- Why I think java script its going to impact the future of coding

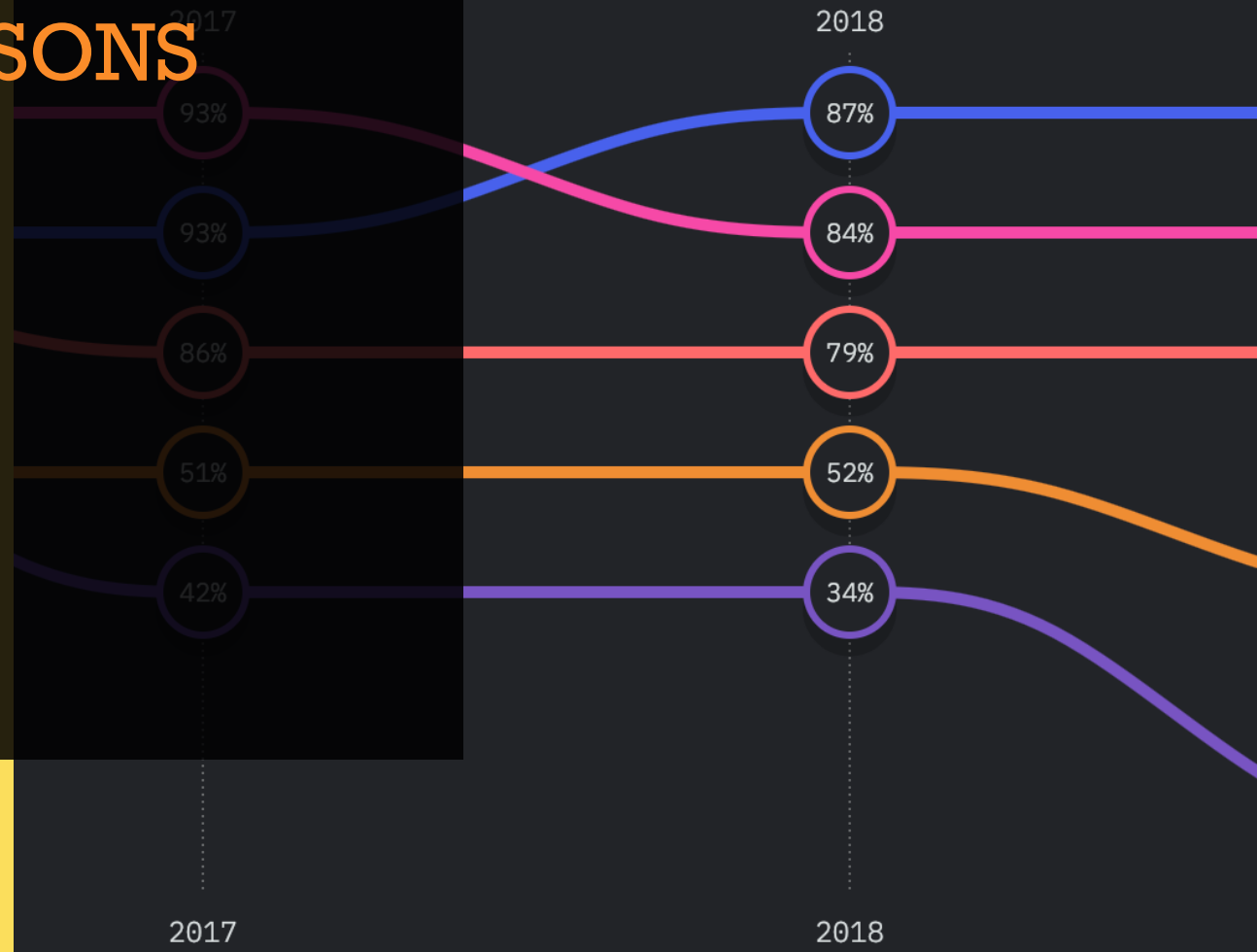
```
68  
69 init: function() {  
70   ... this.stage.elem.width = this.stage.elem.width;  
71   ... this.stage.elem.height = this.stage.elem.height;  
72   ... this.ctx = this.stage.elem.getContext('2d');  
73  
74   ... for (var i = 0; i < grid.c; i++)  
75     ... for (var j = 0; j < grid.r; j++)  
76       ... this.circles.push(new Circle(i, j, 1));  
77   ... };  
78   ... };  
79  
80   ... this.update();  
81   ... },  
82   update: function() {  
83     ... var self = this;  
84     ... window.requestAnimationFrame(function() {  
85       ... self.update();  
86     ... });  
87     ... var now = new Date().getTime();  
88     ... var dt = now - (this.time || now);  
89     ... this.time = now;
```





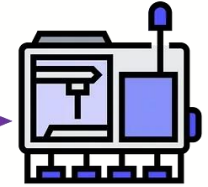
o rankings.

# REASONS





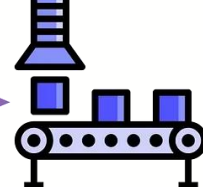
Source Code



Baseline Compiler



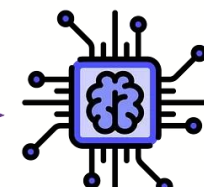
Bytecode



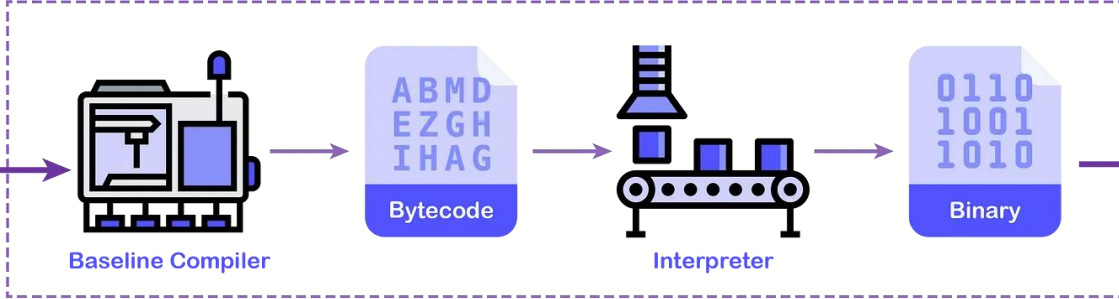
Interpreter



Binary

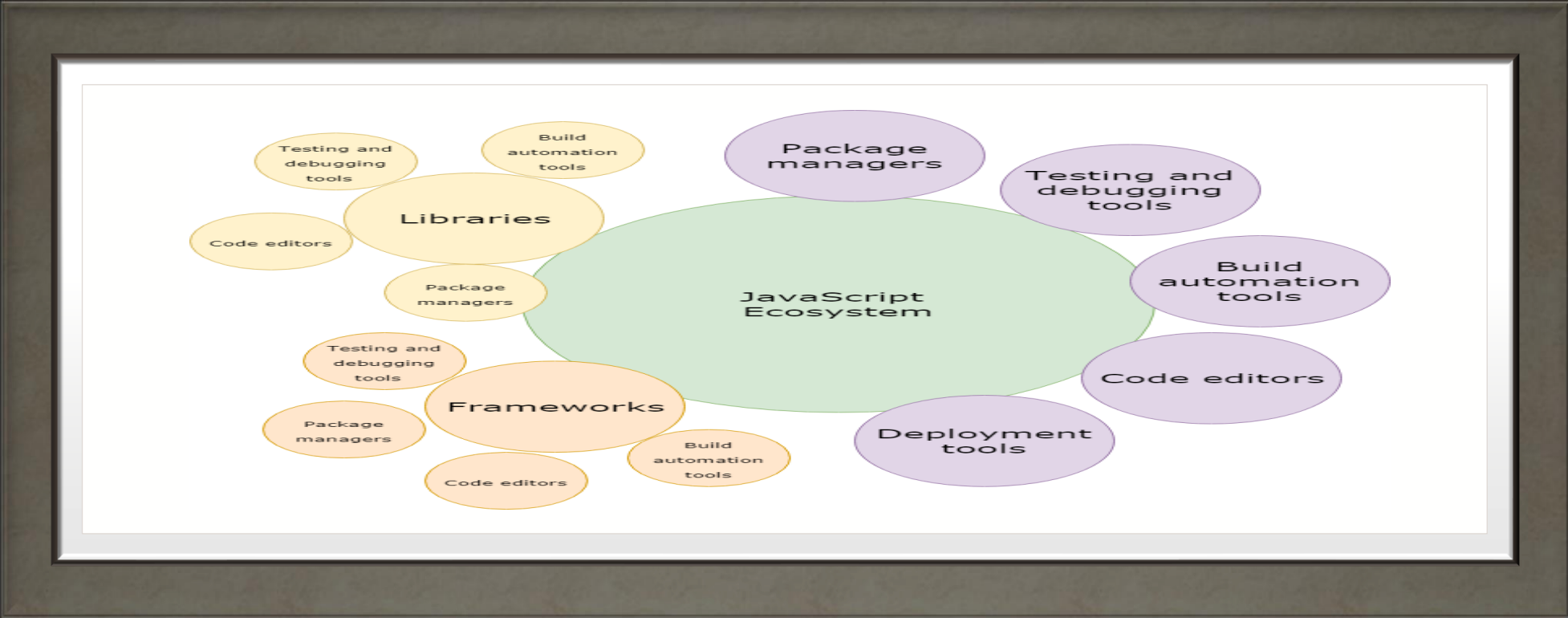


CPU



JavaScript Engine (rudimentary)

# V8 ENGINE



# ECO SISTEM







**EFFICIENCY**



**FAST AND EXTENDABLE**





THANK YOU FOR YOUR ATTENTION