Draw Global Execution Context for Below Codes and Explain Line by line.

console.log(a);  
var a = 10;  
console.log(a);  
a = 20;  
console.log(a);

|  |  |
| --- | --- |
| Memory phase | Execution phase |
| Var a(undefined)  a(undefined) | console.log(a);/undefined var a = 10;/10 accessing console.log(a);/10 a = 20;/20 accessing console.log(a);/20 |

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console.log(b);  
var b = 5;  
var b = 15;  
console.log(b);  
b = b + 5;  
console.log(b);

|  |  |
| --- | --- |
| Memory phase | Execution Phase |
| Var b=5;(undefined)  Var b=15;(undefined)  b=b+5;(undefined) | console.log(b);/undefined var b = 5;/5 var b = 15;/15 console.log(b);/15 b = b + 5;/20 console.log(b);/20 |

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console.log(c);  
c = 30;  
var c;  
console.log(c);  
c = c \* 2;  
console.log(c);

|  |  |
| --- | --- |
| Memory phase | Execution phase |
| C=30;(undefined)  Var c;(undefined)  C=c\*2;(undefined) | console.log(c);/undefined c = 30;/30 var c;/30 console.log(c);/30 c = c \* 2;/60 console.log(c);/60 |

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var d;  
console.log(d);  
d = 50;  
console.log(d);  
d = d + 10;  
console.log(d);  
var d = 100;  
console.log(d);

|  |  |
| --- | --- |
| Memory phase | Execution phase |
| Var d;(undefined)  d =50;(undefined)  d=d+10;(undefined)  var d=100;(undefined) | var d; console.log(d);/undefined d = 50; console.log(d);/50 d = d + 10; console.log(d);/60 var d = 100; console.log(d);/100 |

=================================================================

var e = 1;  
console.log(e);  
e = e + 1;  
console.log(e);  
var e = 10;  
console.log(e);  
e = e \* 2;  
console.log(e);

|  |  |
| --- | --- |
| Memory phase | Execution phase |
| var e=1;(undefined)  e=e+1;(undefined)  var e=10;(undefined)  e=e\*2;(undefined) | var e = 1; console.log(e);/1 e = e + 1; console.log(e);/2 var e = 10; console.log(e);/10 e = e \* 2; console.log(e);/20 |