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# JavaScript Variable

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A JavaScript variable is simply a name of storage location. There are two types of variables in JavaScript : local variable and global variable.

There are some rules while declaring a JavaScript variable (also known as identifiers).

1. Name must start with a letter (a to z or A to Z), underscore( \_ ), or dollar( \$ ) sign.
2. After first letter we can use digits (0 to 9), for example value1.
3. JavaScript variables are case sensitive, for example x and X are different variables.

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Correct JavaScript variables

```
var x = 10;
```

```
var _value="sonoo";
```

Incorrect JavaScript variables

```
var 123=30;
```

```
var *aa=320;
```

# Example of JavaScript variable

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Let's see a simple example of JavaScript variable.

1. `<script>`

2. `var x = 10;`

3. `var y = 20;`

4. `var z=x+y;`

5. `document.write(z);`

6. `</script>`

**Output of the above example**

**-> 30**

# JavaScript local variable

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- A JavaScript local variable is declared inside block or function. It is accessible within the function or block only. For example:

```
<script>  
  function abc(){  
    var x=10;//local variable  
  }  
</script>
```

or

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```
<script>  
  If(10<13){  
    var y=20;//JavaScript local variable  
  }  
</script>
```

# JavaScript global variable

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A JavaScript global variable is accessible from any function. A variable i.e. declared outside the function or declared with window object is known as global variable. For example:

```
<script>  
var data=200;//gloabal variable  
function a(){  
document.writeln(data);  
}  
function b(){  
document.writeln(data);  
}
```

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```
a();//calling JavaScript function  
b();  
</script>
```