

# \* Javascript in Depth - Part I

## \* Introduction to objects in Javascript.

→ Every thing around us is an object and every object is having some properties and functionalities of its own.

→ Ex → A mobile, Car, Person, Tree etc.

→ Objects were created to replicate the real-life in our coding.

\* An object is a collection of related data and/or functionality (which usually consists of several variables and ~~properties~~ functions - which are called properties and methods when they are inside objects.)

## \* How can we create an Object →

```
var sutvi = {  
  name: "sutvi";  
  profession: "Student";  
  hobbies: ["Reading", "Dancing"];  
};
```

} Property



bio: function() {

Console.log("Hi I am" + rutvi.name +  
"my profession is" + rutvi.profession)

}

}

\* Dot notation →

Console.log(rutvi.name);  
Console.log(rutvi.hobbies);

O/P  
rutvi  
Array ["Reading",  
"Dancing"]

— X —

\* Bracket Notation →

Console.log(rutvi["name"]);  
Console.log(rutvi[hobbies]);

O/P →  
rutvi  
won't print  
anything

↓  
This here will look for a  
variable named hobbies, so what we  
can do is →  
abc  
var ~~hobbies~~ = "hobbies"  
Console.log(rutvi[~~hobbies~~]);

Passing the property  
to that variable.  
O/P →  
Array ["-", "-", ""]



When we do →

→ `console.log(rutvi.abc);`

It will show us undefined.

because it searches for the Property 'abc' inside our object 'rutvi'.

• `rutvi.bio();`