**JS Prototype Object**

* JS is a prototype-based language that facilitates the objects to acquire properties and features from one another.Here, each object contains a prototype object
* Syntax: ClassName.prototype.methodName;

Why we need a prototype object ?

* Whenever an objet is created in JS, its corresponding functions are loaded into memory.So, a new copy of the function is created on each object creation.
* In a prototype-based approach, all the objects share the same function.This ignores the requirements of creating a new copy of function for each object.Thus,the functions are loaded once in to the memory.

Question may arrives in Interview

1. What is prototype ?
2. Need of prototype?
3. Work of prototype?

**Prototype Chaining :**

* Each object contains a prototype object that acquires properties and methods from it. Again an objects prototype object may contain a prototype object that also acquires properties and methods, and so on. I t can be seen as prototype chaining.