

Lesson 16

- JavaScript prototypega asoslangan dasturlash tili hisoblanadi va u haqiqiy OOP(object-orientated language) emasdir. JavaScript OOP lekin class ga asoslanmagan OOP hisoblanadi u koproq prototypical inheritance ga asoslangan hisoblanadi
- JavaScript class ga asoslanmagan va ***prototypical inheritance*** hosil qilish uchun ***constructor function***dan foydalanamiz
- Prototype asosida OOP yaratish biroz qiyin bolganligi sababli classlardan prototypical inheritance hosil qilish uchun class lardan foydalaniladi
- Syntactic sugar – osonlik bilan yozish nimanidir
- Person va prototype qilish kerak boladi va bu kp vaqt oladi
- Class va prototype farqlari :
- `// constructor/prototype`
- `function Person(name) {`
- `this.name = name;`
- `} // constructor`
- `Person.prototype.getName = function () {`
- `return this.name;`
- `}; // prototype`
- `const Person = class {`
- `constructor(name) {`
- `this.name = name;`
- `}`
- `getName() {`
- `return this.name;`
- `}`
- `}`
- Ular 4 ta jihtdan farqlanadi: 1> Hoisting 2> class is automatic strict mode
- 3> class is not iterated in for in 4> new operator
- Class hoisting qilinmedi function declaration hoisting qilinadi
- Class automatic strict mode da boladi
- A ozgaruvchi let siz yoki var siz elon qilinsa u property sifatida qaraladi
- Lekin funksiya Ichida elon qilinsa a ozgaruchi sifatida qaraladi (natijada xató chiqaradi)
- Animal oddiy funksiya sifatida qaralsa undefined chiqadi doim
- Agar oldiga new qoyilsa instance sifatida qaraladi
- Class constructor new keyowrdisiz chaqirib bolinmaydi
- Prototype esa new keywordsiz ham ishlatsa boladi
- Objectdan instance olib Array ni konstruktori qilingan
- Instanceof – instancening obyekt yoki obyekt emasligini tekshirib beradi true/false qaytaradi
- Data property ni accessor propertyga aylantirish uchun get set dan foydalaniladi

- Static property=`static count =0;`
- Static method- `static getCount(){`
- `return Product.count;`
- Insatances orqali chaqirish xató hisoblanadi va shu uchun constructor yordamida chaqirish tavsiya etiladi
- Static property va metodlar contructor ni ozi orqali chaqililadi
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