" 25 in 900"

```
const Person = function (firstName, birthYear) {
   this.birthYear = birthYear;
   this.firstName = firstName;
};

const zeyad = new Person('zeyad', 2003);
console.log(zeyad);
```

* Person is Called the Constructor Function which is the blue built of abouse and other lang Like Ct. It is called the class.

regard is alled an object inherited from the person function constructor.

*Imagine ;+ like this: -

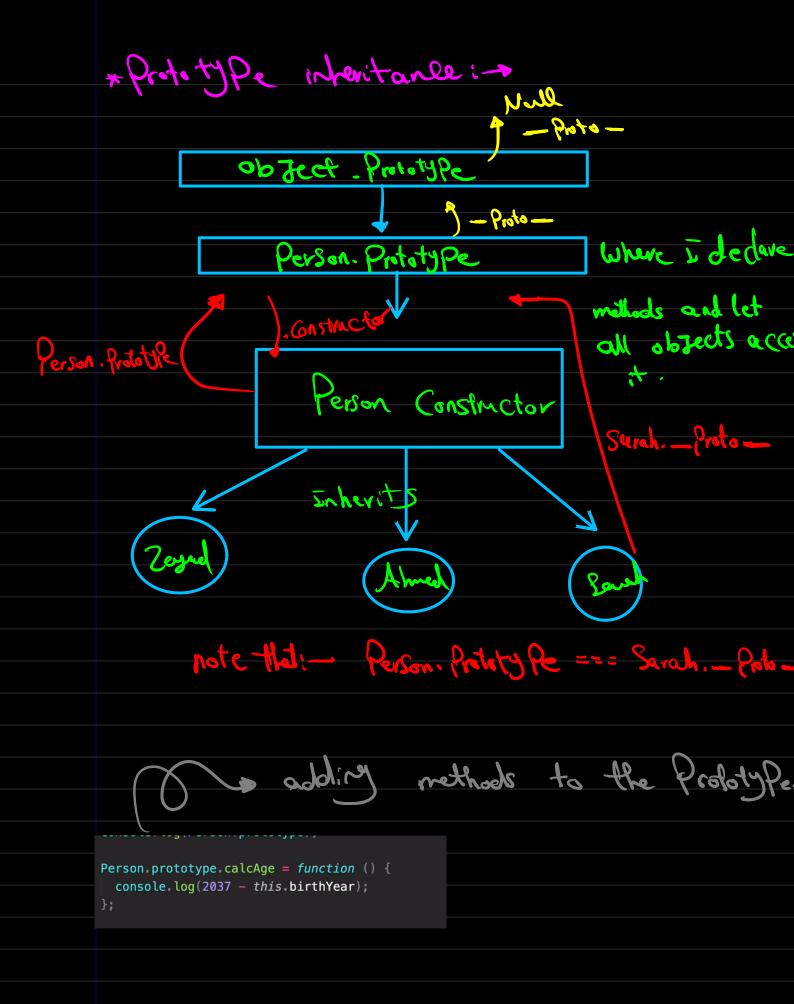
Child (objects)

Class or Function Const architect

child inherits Som Parent (Class)

Ahmed

* Zeyad and ahneed inherits From Func Constructor.



Es 6 Classes: class PersonCl { constructor(firstName, birthYear) { It is similar to the free this.firstName = firstName; this.birthYear = birthYear; nethed but the methods are declared inside calcAge() { console.log(2037 - this.birthYear); the Class after Constructor it will be in the const jessica = new PersonCl('Jessica', 1996); console.log(jessica); Proto type not the jessica.calcAge(); object itself. (Follow the console log(jessica __proto); Preu Pere Formere info" * Jo that It does't affect looks like that. ▼ PersonCl {firstName: 'jessica', birthYear: 1996} ा birthYear: 1996 firstName: "jessica" ▼ [[Prototype]]: Object ▶ calcAge: f calcAge()

firstName: "jessica"

* [[Prototype]]: Object

* calcAge: f calcAge()

* constructor: class PersonCl

* [[Prototype]]: Object

Prototype]]: Object

Prototype]]: Object

Prototype]]: Object

Prototype]]: Object

Prototype]]: Object

Prototype]: Ob

*Getter and satters:

* Like other project y not treated like methods that require Calling.

to to make it getter or setter we deline akeyword of get, set.

insted = accout. Litest = 50)

Static methods:

There are methods that are attached to the Constructor itself no other children can access it, as it doesn't exist in the Protette.

Array. Srom (); Zowoth of them oure Number. Parse Float () of attached to the constru it Self.

nums. fush() L

Arroy - from access it.

Arroy - from nums 3

Let also in the solution of the

Static methods in Esc Casses:

```
It is simply by Italic
testword before its method
name.
```

```
static sayHey() {
  console.log('hey');
}
```

* Static methods in Sunction Constructor word: >

Constructed Name: method Name: & unction () [];

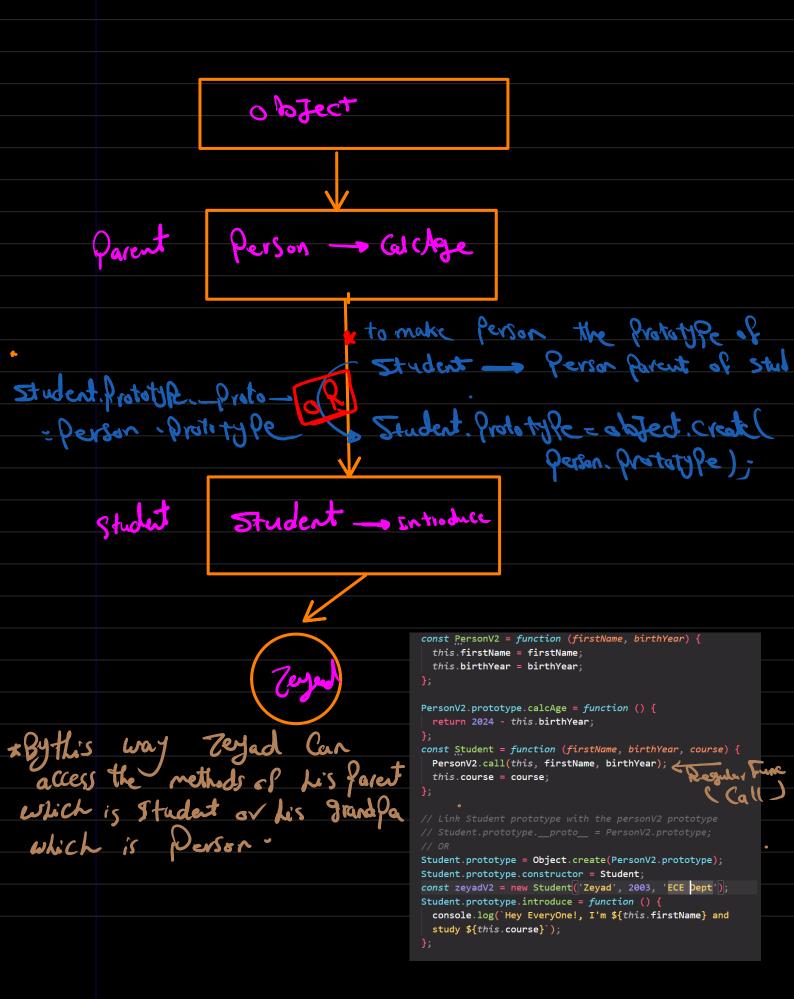
Object. Create:

if I warren 5 fecity
the prototy fe monelly

```
const PersonProto = {
   calcAge() {
      console.log(2037 - this.birthYear);
   },
};

const steven = Object.create(PersonProto);
console.log(steven);
steven.name = 'Steven';
steven.birthYear = 2002;
steven.calcAge();
```

Classes Inherit another Class



* Inheritance Between clusses E58:

```
constructor(fullName, birthYear, course) {

constructor(fullName, birthYear, course) {

// Always needs to happen first!

super(fullName, birthYear);

this.course = course;

}

introduce() {

console.log('My name is ${this.fullName} and I

study ${this.course}');

}

keywood

with mentioned farange

31
```

parent, the child func will override the one of the parent.

* Inheritance Between dusses - object. Create: ->

```
const PersonProto = {
    calcAge() {
        console.log(2037 - this.birthYear);
    },

init(firstName, birthYear) {
        this.firstName = firstName;
        this.birthYear = birthYear;
    },

const steven = Object.create(PersonProto);

const StudentProto = Object.create(PersonProto);

StudentProto.init = function(firstName, birthYear, course) {
        PersonProto.init.call(this, firstName, birthYear);
        this.course = course;
    }

const jay = Object.create(StudentProto);

jay.init('Jay')
```

*Private class fields and nethods:

Private fields are the properties which is Private means that this property will be in the class it Jelf and no one out of the class can get

*It is defined by * makes Private