

PROTOTYPAL

Stage 1

```
let obj1 = {
    a:10,
    b:20
};

let obj2 = {
    c:30,
    d:40
};

console.log(obj1.a);
console.log(obj1.b);

console.log(obj2.c);
console.log(obj2.d);
```

Stage 2

```
obj1 = {
    a:10,
    b:20
};
let obj2 = {
    c:30,
    d:40
};
obj2.__proto__ = obj1;
console.log("OBJ1");
console.log(obj1.a);
console.log(obj1.b);
console.log("OBJ2");
console.log(obj2.a);
console.log(obj2.b);
console.log(obj2.c);
console.log(obj2.d);
```

Stage 3

```
obj1 = {
    a:10,
    b:20
};
let obj2 = {
    c:30,
    d:40
};
let obj3 = {
    e:50,
    f:60,
    __proto__: obj1
};
obj2.__proto__ = obj1;
console.log("OBJ1");
console.log(obj1.a);
console.log(obj1.b);
console.log("OBJ2");
console.log(obj2.a);
console.log(obj2.b);
console.log(obj2.c);
console.log(obj2.d);
console.log("OBJ3");
console.log(obj3.a);
console.log(obj3.b);
console.log(obj3.e);
console.log(obj3.f);
```

Stage 4

```
let obj1 = {
    a:10,
    b:20
};
let obj2 = {
```

```
c:30,
    d:40
let obj3 = {
    e:50,
    f:60,
    __proto__: obj1
};
obj2.__proto__ = obj1;
console.log("OBJ1");
console.log(obj1.a);
console.log(obj1.b);
console.log("OBJ2");
console.log(obj2.a);
console.log(obj2.b);
console.log(obj2.c);
console.log(obj2.d);
console.log("OBJ3");
console.log(obj3.a);
console.log(obj3.b);
console.log(obj3.e);
console.log(obj3.f);
obj1.a = 99;
console.log("OBJ1");
console.log(obj1.a);
console.log(obj1.b);
console.log("OBJ2");
console.log(obj2.a);
console.log(obj2.b);
console.log(obj2.c);
console.log(obj2.d);
console.log("OBJ3");
console.log(obj3.a);
                          (i)
console.log(obj3.b);
```

```
x isole.log(obj3.e);
```

Stage 5

```
let obj1 = {
    a:10,
    b:20
};
let obj2 = {
    c:30,
    d:40
};
let obj3 = {
    e:50,
    f:60,
    __proto__: obj1
};
obj2.__proto__ = obj1;
console.log("OBJ1");
console.log(obj1.a);
console.log(obj1.b);
console.log("OBJ2");
console.log(obj2.a);
console.log(obj2.b);
console.log(obj2.c);
console.log(obj2.d);
console.log("OBJ3");
console.log(obj3.a);
console.log(obj3.b);
console.log(obj3.e);
console.log(obj3.f);
obj1.a = 99;
obj2.a = 110;
obj3.b = 220;
                          (i)
```

```
sole.log("OBJ1");
sole.log(obj1.a);
console.log("OBJ2");
console.log(obj2.a);
console.log(obj2.b);
console.log(obj2.c);
console.log(obj2.d);

console.log(obj3.a);
console.log(obj3.a);
console.log(obj3.b);
console.log(obj3.e);
console.log(obj3.f);
```

Stage 6

```
obj1 = {
    a:10,
    b:20
};
let obj2 = {
    c:30,
    d:40
};
let obj4 = {
    g:50,
    h:60
};
obj2.__proto__ = obj1;
obj4.__proto__ = obj2;
console.log("OBJ1");
console.log(obj1.a);
console.log(obj1.b);
console.log("OBJ2");
console.log(obj2.a);
console.log(obj2.b);
console.log(obj2.c);
console.log(obj2.d);
console.log("OBJ4");
console.log(obj4.a);
console.log(obj4.b);
console.log(obj4.c);
console.log(obj4.d);
console.log(obj4.g);
console.log(obj4.h);
```

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