

```
fiscalCode({
 name: "Matt",
 surname: "Edabit",
 gender: "M",
 dob: "1/1/1900"
}) → "DBTMTT00A01"
fiscalCode({
 name: "Helen",
 surname: "Yu",
 gender: "F",
 dob: "1/12/1950"
}) → "YUXHLN50T41"
fiscalCode({
 name: "Mickey",
 surname: "Mouse",
 gender: "M",
 dob: "16/1/1928"
}) → "MSOMKY28A16"
```

Code

```
const genderCode = (gender, dob) => {
 const [day, month, year] = dob.split('/');
 if (gender === 'M') {
   return +day < 10 ? '0' + day : day;
   return +day + 40;
 const [day, month, year] = dob.split('/');
 return months[month];
const yearCode = (dob) => {
 let vowels = name.match(/[aeiou]/gi);
  let consonants = name.match(/[^aeiou]/gi);
 let result;
  if (consonants.length > 2) {
   result = consonants;
  } else if ([...consonants, ...vowels].length < 3) {</pre>
     ...consonants,
      ...vowels,
      'X'.repeat(3 - [...consonants, ...vowels].length),
  } else if (consonants.length < 3) {</pre>
   result = [...consonants, ...vowels];
```

```
return result.slice(0, 3).join('').toUpperCase();
       };
       const nameCode = (name) => {
         let vowels = name.match(/[aeiou]/gi);
         let consonants = name.match(/[^aeiou]/gi);
         let result = [];
         if (consonants.length === 3) {
           result = consonants;
         } else if (consonants.length > 3) {
           result = [consonants[0], consonants[2], consonants[3]];
         } else if ([...consonants, ...vowels].length < 3) {</pre>
           result = [
             ...consonants,
              ...vowels,
              'X'.repeat(3 - [...consonants, ...vowels].length),
           1;
         } else if (consonants.length < 3) {</pre>
           result = [...consonants, ...vowels];
         return result.slice(0, 3).join('').toUpperCase();
       };
       const fiscalCode = (person) => {
         const { name, surname, gender, dob } = person;
         return (
           surnameCode(surname) +
           nameCode(name) +
           yearCode(dob) +
           monthCode(dob) +
           genderCode(gender, dob)
         );
       };
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```

```
name: 'Brendan',
           surname: 'Eich',
gender: 'M',
         fiscalCode({ name: 'Helen', surname: 'Yu', gender: 'F', dob: '1/12/1950' }),
          fiscalCode({ name: 'Al', surname: 'Capone', gender: 'M', dob: '17/1/1899' }),
          'CPNLAX99A17'
          fiscalCode({
           name: 'Mickey',
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           dob: '16/1/1928',
         ]),
'MSOMKY28A16'
       console.log(
           name: 'Marie',
           surname: 'Curie',
gender: 'F',
          'CRUMRA67S47'
```

Run

node 1TheFiscalCode.js

CHEBND61T01 CHEBND61T01
YUXHLN50T41 YUXHLN50T41
CPNLAX99A17 CPNLAX99A17
MSOMKY28A16 MSOMKY28A16
CRUMRA67S47 CRUMRA67S47
PS C:\js\edabit\e>