```
'use strict';
// Lecture 35: Arrow functions
/*
A third function type added to ES6. This
  function expression is simpler and
  faster to write.
*/
// Arrow Function (Function Expression)
const calcAge3 = birthYeah => 2037 -
  birthYeah;
// Don't need curly braces
// The return actually happens implicitly
  - we don't have to explicitly write the
  return statement. This is also the
  simplest form, the more complex one is
  below.
// This is like lambda functions in python.
const age3 = calcAge3(1991);
console.log(age3);

const yearsUntilRetirement = (birthYeah,
  firstName) => {
  const age = 2037 - birthYeah;
  const retirement = 65 - age;
  // Note that we didn't create a local
    variable to return this string.
  // Now we have to write the return
    explciitly. It can only be omitted if
    we have a one-liner function.
  return `${firstName} retires in
    ${retirement} years`;
}
```

```
// Log this to the console directly.
console.log(yearsUntilRetirement(1991,
  'Jonas'));
  console.log(yearsUntilRetirement(1980,
  'Bob'));


////////////////////////////////////////
  ///////////
// Lecture 36: Functions Calling Other
  Functions
function cutFruitPieces(fruit) {
  return fruit * 4;
}

function fruitProcessor(apples, oranges) {
  const applePieces =
    cutFruitPieces(apples); // apples * 4
  const orangePieces =
    cutFruitPieces(oranges); // oranges * 4

  const juice = `Juice with ${applePieces}
    piece of apple and ${orangePieces}
    pieces of orange.`;
  return juice;
}
console.log(fruitProcessor(2, 3));


////////////////////////////////////////
// Lecture 37: Reviewing Functions
const calcAge = function (birthYear) {
```

```
const calcAge = function (birthYear) {
  return 2037 - birthYeah;
}
// Anonymous Function/ Function Expression
const yearsUntilRetirement = function
  (birthYeah, firstName) {
  const age = calcAge(birthYeah);
  const retirement = 65 - age;

  if (retirement > 0) {
    console.log(`${firstName} retires in
      ${retirement} years`);
    return retirement;
  } else {
    console.log(`${firstName} has already
      retired`);
    return -1;
  }
}

console.log(yearsUntilRetirement(1991,
  'Jonas'));
console.log(yearsUntilRetirement(1950,
  'Mike'));

```