

1)

```
let nick = prompt('Enter your name: ')
nick.toLowerCase()
let first = nick.slice(0,1).toUpperCase()
let second = nick.slice(1).toLowerCase()
alert("Hello, " + first+second)
```

2)

```
function main(){
  putBeeper();
  moveTwice();
  putBeeper();
  moveTwice();
  putBeeper();
  turnLeft();
  moveTwice();
  putBeeper();
  moveTwice();
  putBeeper();
  turnLeft();
  moveTwice();
  putBeeper();
  moveTwice();
  putBeeper();
  turnLeft();
  moveTwice();
  putBeeper();
  moveTwice();
  turnLeft();
  move();
  turnLeft();
  move();
  putBeeper();
  move();
  turnRight();
  move();
  putBeeper();
  move();
  turnLeft();
  move();
  putBeeper();
  turnLeft();
  moveTwice();
  putBeeper();
  turnLeft();
  moveTwice();
  turnLeft();
  moveTwice();
  putBeeper();
}
function moveTwice(){
  move();
  move();
}
```

3)

```

function main(){
    turnLeft();
    frontMove();
    turnBlockRight();
    turnBlockLeft();
    turnRight();
    moveTwice();
    turnRight();
    move();
    turnRight();
    move();
    turnBlockLeft();
    turnRight();
    turnBlockLeft();
    turnBlockLeft();
    turnBlockLeft();
    frontMove();
    turnBlockRight();
    turnBlockLeft();
    turnBlockRight();
    turnBlockLeft();
    turnLeft();
    moveTwice();
    turnLeft();
    move();
    turnRight();
    moveTwice();
    turnBlockRight();
    turnBlockLeft();
    pickBeeper();
}

```

```

function moveTwice(){
    move();
    move();
}

```

```

function turnBlockLeft(){
    if(frontIsBlocked()){
        while(frontIsBlocked()){
            turnLeft();
        }
    }
    move();
}

```

```

function turnBlockRight(){
    if(frontIsBlocked()){
        while(frontIsBlocked()){
            turnRight();
        }
    }
    move();
}

```

```

function frontMove(){
    while(frontIsClear()){
        move();
    }
}

```

4)

```

let yourAge = prompt('Enter your age: ')
let left = 90-yourAge
let leftDays = left*365
let leftWeeks = left*52
let leftMonths = left*12
console.log('You have ' + leftDays + ' days, ' + leftWeeks + ' weeks, and ' + leftMonths + ' months left.')

```

5)

```

function calcBMI(weight, height){
  let bmi = weight/(height*height)
  if (bmi < 18.5) return 'Your BMI is ' + bmi.toFixed(2) + ', so you are underweight.'
  else if (bmi >= 18.5 && bmi <= 24.9) return 'Your BMI is ' + bmi.toFixed(2) + ', so you have a normal weight.'
  else return 'Your BMI is ' + bmi.toFixed(2) + ', so you are overweight.'
}

```

6)

```

let year = prompt("Enter year")
if(year % 4 == 0 || year % 100 == 0 && year % 400 == 0){
  console.log('Leap Year.')
}
else{
  console.log('Not Leap Year.')
}

```

7)

```

function whoBuy(candidates){
  let randomNum = Math.floor(Math.random() * candidates.length)
  return candidates[randomNum] + ' is going to buy lunch today'
}

```

8)

```

function fibonacciGenerator(n) {
  var fib = [0, 1];
  for (var i = 2; i < n; i++) {
    fib[i] = fib[i-1] + fib[i-2];
  }
  return fib.slice(0,n);
}

```