

Question 1=

```

> sum
< f sum(array){let sum=0;i=0;for(i=0;i<array.Length;i++){ sum+=array[i];} return sum}
> range
< f range(start, stop, step) {
    if (typeof stop == 'undefined') {
        // one param defined
        stop = start;
        start = 0;
    }

    if (typeof step == 'undefined') {
        step = 1;
    }
    ...
> console.log(range(1, 10));
  ▶ (10) [1, 2, 3, 4, 5, 6, 7, 8, 9, 10] VM2979:1
< undefined
> console.log(range(5, 2, -1));
  ▶ (4) [5, 4, 3, 2] VM3029:1
< undefined
> console.log(sum(range(1, 10)));
  55 VM3076:1
< undefined
>

```

[illegible]

QUESTION 2 More Detail

## Question 2=

### Data Analysis

Minimum correlation =

90 journal entries and 26 events

carrot: 0.0141 16

exercise: 0.0686 10

weekend: 0.1372 30

bread: -0.0758 8

pudding: -0.0648 6

brushed teeth: -0.3805 64

touched tree: -0.0808 9

nachos: -0.0704 7

cycling: -0.0808 9

brussel sprouts: -0.0523 4

ice cream: -0.0808 9

computer: 0.0686 10

potatoes: -0.0857 10

candy: 0.1296 6

dentist: -0.0366 2

running: -0.0905 11

pizza: 0.0686 10

work: -0.1372 60

beer: -0.0523 4

cauliflower: -0.0808 9

lasagna: 0.0808 9

lettuce: -0.0704 7

television: -0.0808 9

spaghetti: 0.2425 9

reading: 0.1107 7

peanuts: 0.5903 13

```
function eventNumber(evt) { // Number of event
  let counter=0;
  for (let entry of JOURNAL) {

    if (entry.events.includes(evt)) counter += 1;

  }
  return counter;
}

Undefined function analyze(min=0) {
  let a = [];
  for (let evt of EVENTS) {
    let cor = phi(tableFor(evt));
    if (Math.abs(cor) > min)
      a.push(evt + ": " + cor.toFixed(4) + " " + eventNumber(evt))
  }
  return a
}
```