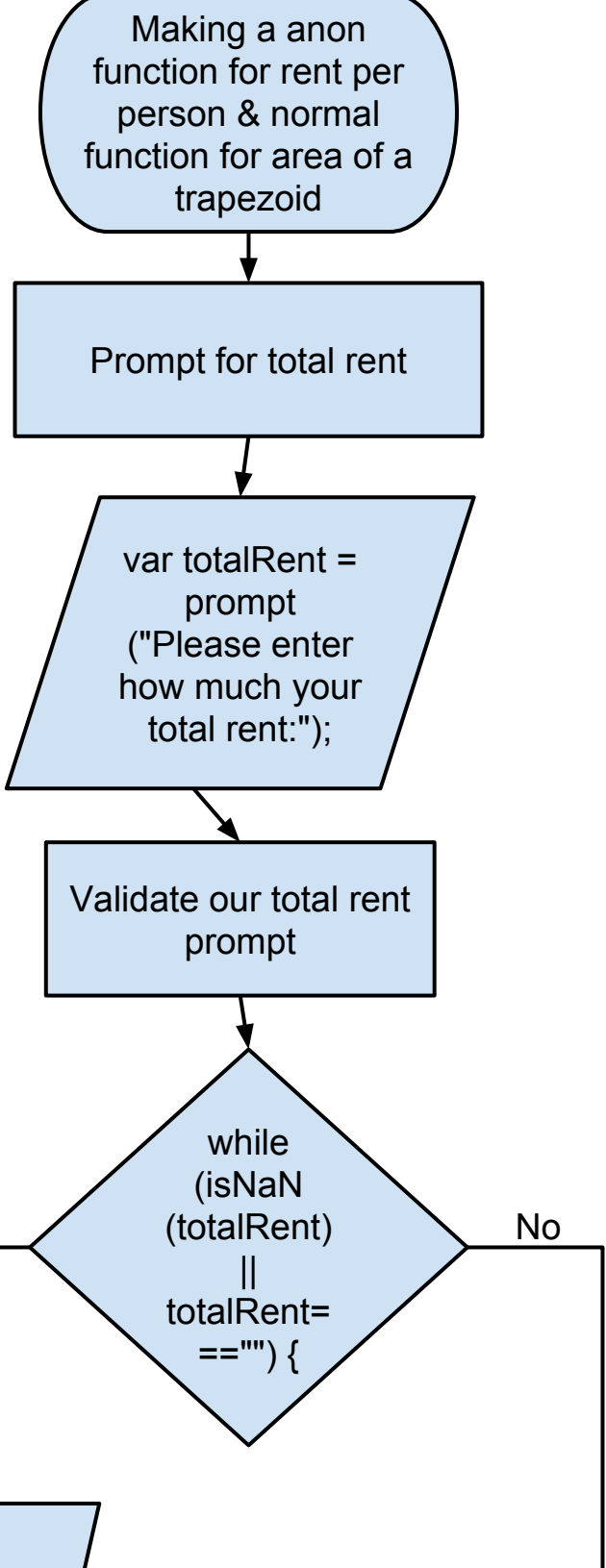


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SDI Campus
Functions
Assignment



Yes

No

Re-prompt the user for correct information

```
totalRent= prompt("Please do not leave blank and only user numbers. \nHow much is your total rent:");
```

Prompt for how many people live in the apartment

```
var totalPeople = prompt("Please enter how many people do you live with, including yourself:");
```

Validate our total rent prompt

```
while (isNaN(totalPeople) || totalPeople === "") {
```

Yes

No

Re-prompt the user for correct information

```
totalPeople= prompt("Please do not leave blank and only user numbers. \nHow many people do you live with, including yourself:");
```

```
rent each (rentEach)
```

Function call anon function

```
var rentPerPerson = rentEach(totalRent, totalPeople);
```

```
console.log("Your total rent is $" + totalRent + " ,and you live with " + totalPeople + " people, so rent will cost $" + rentPerPerson + " per person.");
```

Testing

```
/*  
Test 1, put in 100 for totalRent, and 4 for totalPeople. Got $25 per person.  
Test 2, put in 900 for totalRent, and 3 for totalPeople. Got $300 per person.  
Test 3, put in 8550 for totalRent, and 12 for totalPeople. Got $712.5 per person.  
*/
```

Creating a normal function to find the area of a trapezoid

Prompt for a base

```
var baseA = prompt("Please enter base A:");
```

Validate our base A prompt

```
while (isNaN(baseA) || baseA === "") {
```

Yes

No

Re-prompt the user for correct information

```
baseA= prompt("Please do not leave blank and only user numbers. \nEnter base A:");
```

Prompt for b base

```
while (isNaN(baseB) || baseB === "") {
```

Yes

No

Re-prompt the user for correct information

```
baseB= prompt("Please do not leave blank and only user numbers. \nEnter base B:");
```

Prompt for b base

```
while (isNaN(height) || height === "") {
```

Yes

No

Re-prompt the user for correct information

```
height= prompt("Please do not leave blank and only user numbers. \nEnter the height:");
```

area trapezoid (trapArea)

Function call area of a trapezoidfunction

```
var trapezoidArea = trapArea(baseA, baseB, height);
```

```
console.log("The area of a trapezoid with A's base being " + baseA + " , B's base being " + baseB + " , and with the height of " + height + " is " + trapezoidArea);
```

Testing

```
/*  
Test 1 put in 4 for a, 10 for b, 8 for height. Got 56 for the area  
Test 2 put in 9 for a, 7 for b, 18 for height. Got 144 for the area  
Test 3 put in 2 for a, 26 for b, 45 for height. Got 630 for the area.  
*/
```

End

