



Hello,
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EMT1111: Logic and Problem Solving | Spring 2016 | Dr. Mendoza

LESSON 10 (homework): Functions with return

Homework 1 (addevennumbers.py)

Create a function `addEvenNumbers(start, end)` that takes in two positive numbers as arguments and returns the sum of all the even numbers between the start and end number (inclusive). Note: `x % 2` returns 0 if `x` is an even number.

Examples

```
>>> print(addEvenNumbers(3, 7))
```

```
10
```

```
>>> print(addEvenNumbers(5, 12))
```

```
36
```

Homework 2 (countpages.py)

Create a function `countPages(x)` that takes the number of pages of a book as an argument and counts the number of times the digit '1' appears in the page number. Additional requirement, you must use a while loop as part of your solution.

Examples

```
>>> print(countPages(200))
```

```
140
```

```
>>> print(countPages(100))
```

```
21
```

```
>>> print(countPages(11))
```

```
4
```