

BTW Brennan Huber
BTW HW5

HAI

CAN I HAS STDIO?
CAN I HAS STRING?

BTW = Problem 1, DONE
HOW DUZ I yourname
 FOUND YR "Brennan Huber:)"
IF U SAY SO

BTW = Problem 2, DONE
BTW = looks like arguments are stored on a stack

..

HOW DUZ I axb YR b AN YR x AN YR a

 I HAS A ax ITZ PRODUKT OF a AN x
 I HAS A total ITZ SUM OF ax AN b

 FOUND YR total
IF U SAY SO

BTW = Problem 3
HOW DUZ I distance YR p1 AN YR p2
 I HAS A first ITZ 0
 I HAS A second ITZ findNextSpace p1 AN first

 I HAS A x1 ITZ getWord p1 first second
 first R second
 second R DIFF OF LEN OF p1 AN 1
 I HAS A y1 ITZ getWord p1 first second
 second R findNextSpace p2 AN first

 I HAS A x2 ITZ getWord p1 first second
 first R second
 second R DIFF OF LEN OF p2 AN 1
 I HAS A y2 ITZ getWord p2 first second

 x1 IS NOW A NUMBAR
 y1 IS NOW A NUMBAR

x2 IS NOW A NUMBAR
y2 IS NOW A NUMBAR

BTW do the distance formula.

I HAS A lh
I HAS A rh

lh R DIFF OF x2 AN x1
lh R PRODUKT OF lh AN lh

rh R DIFF OFF y2 AN y1
rh R PRODUKT OF rh AN rh

I HAVE A ans

ans R SUM OF lh AN rh
ans R sqrt ans

FOUND YR ans

IF U SAY SO

BTW since there is no freakin library have to write everything by hand.

HOW DUZ I sqrt YR x
I HAS A xn ITZ 10
I HAS A lim ITZ 100
I HAS A i ITZ 0

im IM IN YR LOOP UPPIN YR i WILE i SMALLR THAN l

I HAS A ans ITZ QUOSHUNT OF x AN xn

ans R SUM OF sn AN ans
ans R QUOSHUNT OF ans AN 2

xn R ans
IM OUTTA YR LOOP

FOUND YR xn
IF U SAY SO

BTW = Problem 4,
HOW DUZ I purge YR match AN YR lst

IF U SAY SO

BTW = Problem 5,
HOW DUZ I countTrues YR lst
I HAS A trues ITZ 0

I HAS A first ITZ -1
I HAS A second ITZ 0
I HAS A i ITZ 0
I HAS A word ITZ ""
I HAS A var

second R findNextSpace lst first

IM IN YR LOOP UPPIN YR i TIL BOTH SAEM i AN LE
N OF lst

BTW create a word
word R getWord lst first second
VISIBLE word

BTW check if it is a literal 0
BOTH SAEM word AN "0", O RLY?
NO WAI
trues R SUM OF trues AN 1
OIC

BTW cast as a troof
var R word
var IS NOW A TROOF

BTW if it is true increment trues
var, O RLY?
YA RLY
trues R SUM OF trues AN 1
OIC

BTW reset word to empty string

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word R ""

BTW calculate new first and second
first R second
second R findNextSpace lst first
IM OUTTA YR LOOP

FOUND YR trues
IF U SAY SO

BTW = Problem 6,
HOW DUZ I buildlist YR n

IF U SAY SO

BTW = Problem 7,
HOW DUZ I dotproduct YR v1 AN YR v2

IF U SAY SO

BTW = Problem 8,
HOW DUZ I multiples YR base AN YR N

IF U SAY SO

BTW = Problem 9,
HOW DUZ I runcmd YR opname AN YR lst
  I HAS A i ITZ 0
  I HAS A length, BTW size of the list
  I HAS A var ITZ 0

  opcode, WTF?
  OMG "plus"
  IM IN YR LOOP UPPIN i TIL BOTH SAEM i A
N length
  var R SUM OF var AN lst!i BTW var =
var + lst[i]
  IM OUTTA YR LOOP

  FOUND YR var
  OMG "times"
  var R 1

```

```

                IM IN YR LOOP UPPIN i TIL BOTH SAEM i A
N length
                var R PRODUKT OF var AN lst!i BTW v
ar = var * lst[i]
                IM OUTTA YR LOOP

                FOUND YR var
OMG "append"
                I HAS A str ITZ ""
                IM IN YR LOOP UPPIN i TIL BOTH SAEM i A
N length
                SMOOSH str AN lst!i MKAY BTW append
list[i] onto the string.
                IM OUTTA YR LOOP
OMG "cdr"
                BTW do scheme cdr here
OMGWTF
                FOUND YR FAIL
OIC

IF U SAY SO

BTW = Problem 10,
HOW DUZ I charflip YR str
    BTW == main part of this function =====
    I HAS A i ITZ 0
    I HAS A new_str ITZ ""
    IM IN YR LOOP UPPIN i TIL BOTH SAEM i AN LEN
OF str
        isLower str!i, O RLY?
        YA RLY
            SMOOSH new_str AN up str!i MKAY
        NO WAI
            SMOOSH new_str AN low str!i MKAY
    OIC
    IM OUTTA YR LOOP

    FOUND YR new_str

IF U SAY SO

BTW charflip helper: if it is lower case, up it

```

```
HOW DUZ I up YR char
  I HAS A i ITZ 0
  I HAS A upper "QWERTYUIOPASDFGHJKLZXCVBNM"
  I HAS A lower "qwertyuiopasdfghjklzxcvbnm"
```

```
  IM IN YR LOOP YR i TILL BOTH SAEM i AN LEN OF
upper
```

```
    BOTH SAEM lower!i AN char, O RLY?
```

```
      YA RLY
```

```
        FOUND YR upper!i
```

```
    OIC
```

```
  IM OUTTA YR LOOP
```

```
IF U SAY SO
```

```
BTW charflip helper: if it is upper case, lower
it.
```

```
HOW DUZ I low YR char
  I HAS A i ITZ 0
  I HAS A upper "QWERTYUIOPASDFGHJKLZXCVBNM"
  I HAS A lower "qwertyuiopasdfghjklzxcvbnm"
```

```
  IM IN YR LOOP YR i TILL BOTH SAEM i AN LEN OF
upper
```

```
    BOTH SAEM upper!i AN char, O RLY?
```

```
      YA RLY
```

```
        FOUND YR lower!i
```

```
    OIC
```

```
  IM OUTTA YR LOOP
```

```
IF U SAY SO
```

```
BTW charflip helper: test to see if the characte
r is lower case.
```

```
HOW DUZ I isLower YR char
  I HAS A i ITZ 0
```

```
  IM IN YR LOOP UPPIN YR i TILL BOTH SAEM i AN
LEN OF upper
```

```
    BOTH SAEM lower!i AN character, O RLY?
```

```
      YA RLY
```

```
        FOUND YR WIN
```

OIC
IM OUTTA YR LOOP

FOUND YR FAIL

IF U SAY SO

BTW: creates a word from the two spaces given.
HOW DUZ I getWord YR lst YR first YR second
I HAS A i ITZ SUM OF first AN 1
I HAS A word ITZ ""

IM IN YR LOOP UPPIN YR i TIL BOTH SAEM i AN s
econd
word R SMOOSH word AN lst!i MKAY
IM OUTTA YR LOOP

FOUND YR word
IF U SAY SO

BTW takes the current space, and returns the next
space, or the length of the string.
HOW DUZ I findNextSpace YR lst YR second
I HAS A i ITZ SUM OF second AN 1

IM IN YR LOOP UPPIN YR i TILL BOTH SAEM i AN
LEN OF lst
BOTH SAEM lst!i AN " ", O RLY?
YA RLY
FOUND YR i

OIC
IM OUTTA YR LOOP

FOUND YR LEN OF lst
IF U SAY SO

BTW ===== main =====
=====

VISIBLE yourname
VISIBLE axb 5 6 1

VISIBLE

VISIBLE

VISIBLE

VISIBLE

VISIBLE

VISIBLE

VISIBLE

VISIBLE charflip "Brennan Huber tESTING LOLcode"

KTHXBYE