Homework Turnin

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Section: 2J

Course: CS 110 17sp

Assignment: hw2

Receipt ID: 78adcf0cb4f48f75c305874c090a13b1

Turnin Successful!

The following file(s) were received:

```
rocketship.py
                                  (2384 bytes)
# Author: Riley Taylor
# Course: CSC 110, Section 2J
# Program: Rocket Ship
# This outputs an ascii rocket based on a size.
SIZE = 3
# cone() draws the cone shape used by the rocket's engine nozzle and
# the nose.
def cone():
    for line in range(1, SIZE * 2):
    repeat(" ", -1 * line + SIZE * 2 + 1)
    repeat("/", 1 * line + 1)
    print("**", end='')
    repeat("\\", 1 * line + 1)
    repeat(" ", -1 * line + SIZE * 2 + 1)
    print("")
# second_stage() draws the upper section of the rocket.
def second_stage():
     top_diamond()
     bottom_diamond()
# first_stage() draws the lower section of the rocket.
def first_stage():
     bottom diamond()
     top_diamond()
# connector() draws the line between each section of the rocket.
def connector():
    print("+", end='')
repeat("=*", 2 * SIZE + 1)
print("+")
# top_diamond() This draws the top half of a diamond shape, which
# is used as part of the pattern of the rocket stages.
def top diamond():
```

```
for line in range(1, SIZE + 1):
    print("|", end='')
    repeat(".", -1 * line + SIZE + 1)
    repeat("/\\", line + 1)
    repeat(".", -1 * line + SIZE + 1)
    repeat(".", -1 * line + SIZE + 1)
    repeat("/\\", line + 1)
    repeat(", -1 * line + SIZE + 1)
    repeat(", -1 * line + SIZE + 1)
    print("|")
# bottom_diamond() This draws the bottom half of a diamond shape,
# which is used as part of the pattern of the rocket stages. def bottom_diamond():
         bottom_diamond():
    for line in range(1, SIZE + 1):
        print("|", end='')
        repeat(".", 1 * line)
        repeat("\\/", -1 * line + SIZE + 2)
        repeat(".", 1 * line)
        repeat("\\/", -1 * line + SIZE + 2)
        repeat("\\/", -1 * line + SIZE + 2)
        repeat(".", 1 * line)
        repeat(".", 1 * line)
        print("|")
# repeat() repeats a string for a <count> number of times.
# PARAMETERS: string -- a string. The character(s) to be repeated.
# count -- an int. The number of times to repeat.
#_____
def repeat(string, count):
    for i in range(1, count):
                   print(string, end='')
def main():
          cone()
          connector()
          second_stage()
          connector()
          first stage()
          connector()
          cone()
main()
```

```
# Author: Riley Taylor
# Course: CSC 110, Section 2J
# Program: ASCII Art
#
# This prints a lovely, perfect tree.
# tree_body() draws the upper cone of the tree.
def tree body():
    for line in range(1, 10):
        repeat(" ", -1 * line + 10)
        repeat(" ", -1 * line)
        repeat(" ", -1 * line
```