Assignment 4:

For parts B and C, it reads in the scene file.

Part B scene file has the x,y,z and radius, on each line.

Part C scene file has the x,y,z, radius and material, on each line

Part C: does ambient lights. Diffusing base on Lambertian reflection

(Ray points from the surface to the source of the light, then number is then multiplied by the color of the surface and its intensity of the light hitting the surface). It also does reflection and case shadows.

Need to run the:

compile script first

./compile

Output with the Bash scripts

Longs-MacBook-Pro:Assignment4C Cypther$ ./compile

Longs-MacBook-Pro:Assignment4C Cypther$ python genimage.py < demoA.txt

COSC 2P91: Assignment 4

1. Part A

2. Part B

3. Part C

0. Quit

Enter width: Enter height: # of threads: Filename:

COSC 2P91: Assignment 4

1. Part A

2. Part B

3. Part C

0. Quit

Traceback (most recent call last):

File "genimage.py", line 97, in <module>

choice = menu()

File "genimage.py", line 92, in menu

return raw\_input()

EOFError: EOF when reading a line

Longs-MacBook-Pro:Assignment4C Cypther$ python genimage.py < demoB.txt

COSC 2P91: Assignment 4

1. Part A

2. Part B

3. Part C

0. Quit

The choice is2

Enter width: Enter height: # of threads: Filename to read: Filename to write:

COSC 2P91: Assignment 4

1. Part A

2. Part B

3. Part C

0. Quit

Traceback (most recent call last):

File "genimage.py", line 97, in <module>

choice = menu()

File "genimage.py", line 92, in menu

return raw\_input()

EOFError: EOF when reading a line

Longs-MacBook-Pro:Assignment4C Cypther$ python genimage.py < demoC1.txt

COSC 2P91: Assignment 4

1. Part A

2. Part B

3. Part C

0. Quit

The choice is 3

Enter width: Enter height: Filename to read: Filename to write: Levels of Reflection: Numbers of Lights:

COSC 2P91: Assignment 4

1. Part A

2. Part B

3. Part C

0. Quit

Traceback (most recent call last):

File "genimage.py", line 97, in <module>

choice = menu()

File "genimage.py", line 92, in menu

return raw\_input()

EOFError: EOF when reading a line

Longs-MacBook-Pro:Assignment4C Cypther$

Longs-MacBook-Pro:Assignment4C Cypther$ python genimage.py < demoC2.txt

COSC 2P91: Assignment 4

1. Part A

2. Part B

3. Part C

0. Quit

The choice is 3

Enter width: Enter height: Filename to read: Filename to write: Levels of Reflection: Numbers of Lights:

COSC 2P91: Assignment 4

1. Part A

2. Part B

3. Part C

0. Quit

Traceback (most recent call last):

File "genimage.py", line 97, in <module>

choice = menu()

File "genimage.py", line 92, in menu

return raw\_input()

EOFError: EOF when reading a line

Longs-MacBook-Pro:Assignment4C Cypther$ python genimage.py < demoC3.txt

COSC 2P91: Assignment 4

1. Part A

2. Part B

3. Part C

0. Quit

The choice is 3

Enter width: Enter height: Filename to read: Filename to write: Levels of Reflection: Numbers of Lights:

COSC 2P91: Assignment 4

1. Part A

2. Part B

3. Part C

0. Quit

Traceback (most recent call last):

File "genimage.py", line 97, in <module>

choice = menu()

File "genimage.py", line 92, in menu

return raw\_input()

EOFError: EOF when reading a line

Longs-MacBook-Pro:Assignment4C Cypther$ python genimage.py < demoC4.txt

COSC 2P91: Assignment 4

1. Part A

2. Part B

3. Part C

0. Quit

The choice is 3

Enter width: Enter height: Filename to read: Filename to write: Levels of Reflection: Numbers of Lights:

COSC 2P91: Assignment 4

1. Part A

2. Part B

3. Part C

0. Quit

Traceback (most recent call last):

File "genimage.py", line 97, in <module>

choice = menu()

File "genimage.py", line 92, in menu

return raw\_input()

EOFError: EOF when reading a line

Longs-MacBook-Pro:Assignment4C Cypther$