ECE404

HW3

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My solution is depending on python 3 but would work with python 2 by just changing ‘input’ to ‘raw\_input’.

**Code**

#!/usr/bin/python

### wu\_Field.py

def main():

usr\_input = input("Please enter a small integer: ")

prime = 1

for i in range(2,int(usr\_input)):

if int(usr\_input) % i == 0:

prime = 0

break

f = open('output.txt','w')

if prime == 1:

f.write("field")

else:

f.write("ring")

f.close()

if \_\_name\_\_ == "\_\_main\_\_":

main()

**Output**

C:\Users\Yudi\Documents\ECE404\hw3>python wu\_Filed.py

Please enter a small integer: 38

C:\Users\Yudi\Documents\ECE404\hw3>type output.txt

ring

C:\Users\Yudi\Documents\ECE404\hw3>python wu\_Filed.py

Please enter a small integer: 37

C:\Users\Yudi\Documents\ECE404\hw3>type output.txt

field