True

Name	:	Zhou,	haoyu	(100)	points)	)
------	---	-------	-------	-------	---------	---

## $\mathbf{Exam}\ \mathbf{1}$

1) Determine what each of the following Python expressions will return. In other words, if these expressions were
entered into the Python terminal, what would they return? (5 points each)
$\mathbf{a}.$
5/2
Returns 2
b.
5./2.
Returns 2.5
С.
5%3
Returns 2
d.
not(5>6) and (True or False)

(5==4) or (not True)

False

2) Write the output of the following programs. (8 points each)
a.
for i in range(3):
 print i\*i
print "hi"

0
1
4
hi

c. x=16 while x > 5: x=x/2 print x

4

9

```
d.
a=7
if a%2==1:
    print "yoda"
else:
    print "do yoga"
```

yoda

a. Explain how to create a new git repository. Include all terminal commands and things you must do on github.
Assume your github user name is "Charlie" and your project is in a folder named "Project" in your Documents
folder. Name the repository "ProjRepo".
git add . git commit -m "Change" git remote add origin https//github.com/Charlie/project.git git push origin
-v master
b. Explain how to clone a repository name "Awesome" from github user named "Barry22". Clone the repository
into your Documents folder.
git clone https://github.com/barry22/awesome

3) The following questions are about Git. (10 points each)

4) Write a program that constructs an array filled with all of the prime numbers between 2 and 100. (20 points) for a=[] in range (2,100): prime = ture for x in range(2,i): if i/x==0: prime = false if prime: a=a+[i]