IB Computer Science	Name :	(3 points)
Exam 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)		
a.		
5/2		
>>>>2		
b.		
5./2.		
>>>2.5		
c.		
5%3		
>>>2		

d.

>>>>True

not(5>6) and (True or False)

e.

(5==4) or (not True)

>>>>False

a. for i in range(3): print i*i print "hi" >>>>0,1,4 hi b. s=0 for x in [5,3,1]: s=s+x print s >>>>9 c. x=16 while x > 5: x=x/2print x >>>>4

2) Write the output of the following programs. (8 points each)

a=7

d.

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

>>>>yoda

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

¿¿¿¿ cd Documents/project git config—global user.name charlie git config—global user.email git init git add git remote add origin https://github.com/charlie/project.git git push origin master b. Explain how to clone a repository name "Awesome" from github user named "Barry22". Clone the repository into your Documents folder. ¿¿¿¿cd document git clone https://github.com/Barry22/Awesome.git

4) Write a program that constructs an array filled with all of the prime numbers between 2 and 100. (20 points)

¿¿¿¿a[] for i in range (2,100): prime=True for x in range (2,i): if i

prime=False if prime: a=a+[i]