Exam 1 Study Guide

This is an optional assignment, but if you have meet all of these criteria, you will receive a 10/10 score in the Homeworks category that will replace your lowest Homework score to date:

- Answer *ALL* questions
    - And by *ALL*, I mean provide a **real** good-faith answer to each and every question. I will be looking at your responses.
    - If you use an online source to help you, provide a length at the bottom of your question
- Get at least a 70%.

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1   1 point

Fix the syntax error in the following python code.

```
for i in range(0 10):
  print(i)
```

2   1 point

Fix the syntax error in the following python code.

```python
for i in range(1, 11)
    print(i)
```

3   3 points

Write Python code that:

- asks user for the year
- if the year entered is not 2022, print 'Lies!'
- if the year entered is 2022, print 'Nice!'

4   3 points

Write Python code to do the following:

- use a `for`-loop to print the numbers from 1 up to 20

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5   3 points

Complete the following function. (Write the entire completed function into the response window)

```python
def echo():
    original = input()

    # while the input is not == '/quit', print the input back out to th
```

6 · 4 points

Write a function that accepts an integer parameter (width) and draws an X using *s.

   HINT: the height == the width

   HINT2: What condition causes the left-to-right diagonal to be present (compare row and column)

   HINT3: What condition causes the right-to-left diagonal to be present (compare row and column)

Example Output for input 4:

```
*  *
 **
 **
*  *
```

Example Output for input 9:

```
*       *
 *     *
  *   *
   * *
    *
   * *
  *   *
 *     *
*       *
```

7 1 point

What will the computer print out after executing the following Python code?

```python
num = 0
for i in range(5,10):
    if i % 3 == 0:
        num = num + i
print(num)
print(i)
```
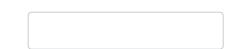
8 1 point

What is printed on the screen from the following Python code:
```python
print('1'+'2'*3)
```

9 1 point

What is printed on the screen from the following Python code:
```python
print('1'+'2'+'3')
```

10 1 point

What is printed on the screen from the following Python code:

```python
print (1 < 2 and 2 == 1 or 1 > 0 and 0 < 2)
```

11 1 point

What is printed on the screen from the following Python code?

```python
print (1+2*3)
```
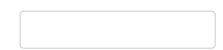
12 1 point

What is printed on the screen from the following Python code?

```python
print (11 % 2)
```

13 1 point

What is printed on the screen from the following Python code?

```python
print (11 / 2)
```
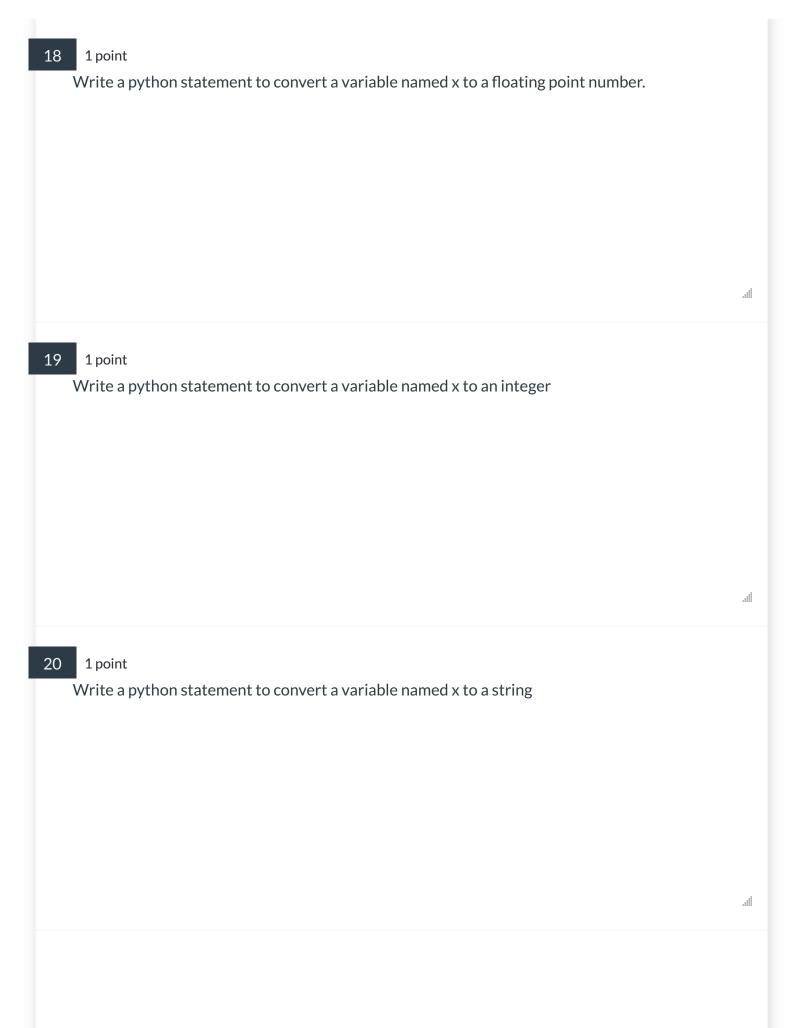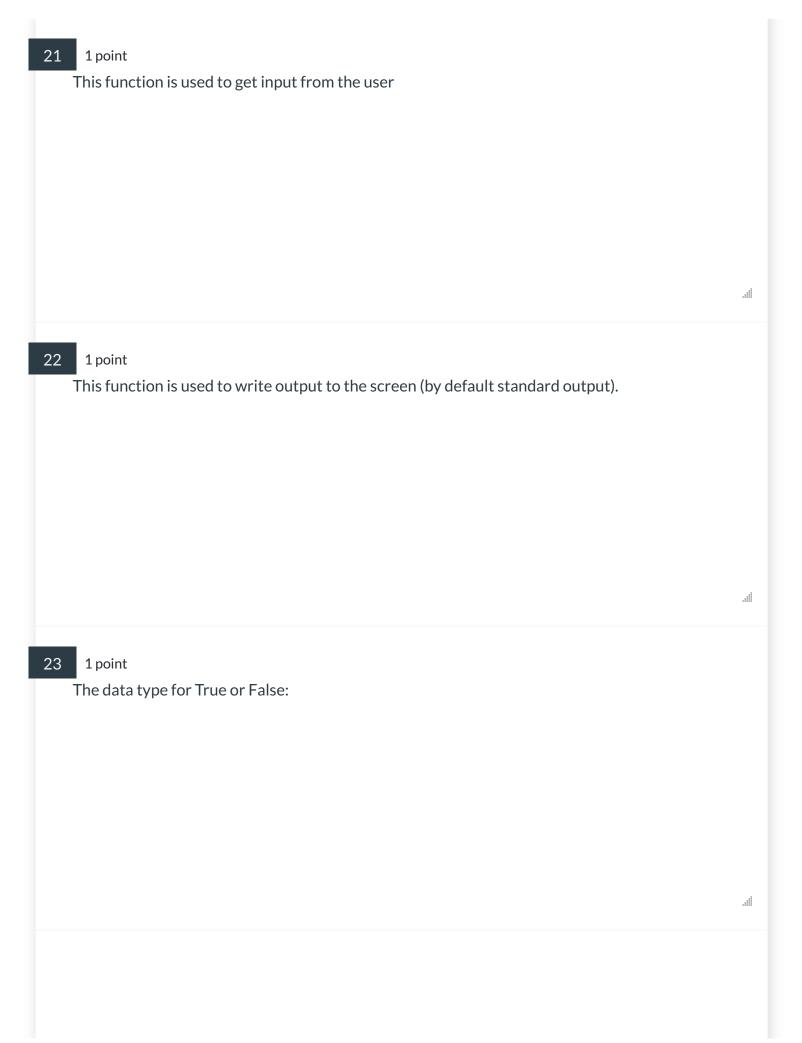
14   1 point

What is printed on the screen from the following Python code?

```
print(11 // 2)
```


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15   1 point

What is printed on the screen from the following Python code?

```
print(True and False)
```


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16   1 point

What is printed on the screen from the following Python code?

```
print(True or False)
```


---

17   1 point

What is printed on the screen from the following Python code?

```
print(not True)
```


18   1 point

Write a python statement to convert a variable named x to a floating point number.

19   1 point

Write a python statement to convert a variable named x to an integer

20   1 point

Write a python statement to convert a variable named x to a string

21 1 point

This function is used to get input from the user

22 1 point

This function is used to write output to the screen (by default standard output).

23 1 point

The data type for True or False:

24   1 point

The data type that stores numbers with fractional parts (e.g. 3.14)

[   ]

25   1 point

The data type that stores only integers

[   ]

26   1 point

Name for a place in memory to store values

[   ]

27   1 point

The data type that stores text

[   ]

28   1 point

Python keyword for checking a condition

[   ]

29　1 point

Python operator for addition

[   ]

30　1 point

Python operator for subtraction

[   ]

31　1 point

Python operator for multiplication

[   ]

32　1 point

Python operator for division

[   ]

33　1 point

Python operator for integer division (floor)

[   ]

34   1 point

Python operator for exponentiation

[   ]

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35   1 point

Python operator for modulus

[   ]

---

36   1 point

Python operator for negation

[   ]

---

37   1 point

Python operator to check equality

[   ]

---

38   1 point

Python operator for assignment

[   ]

39 1 point

Python operator for testing: if greater than or equal to

[   ]

40 1 point

Python operator for testing: if greater than

[   ]

41 1 point

Python operator for testing: if less than or equal to

[   ]

42 1 point

Python operator for testing: if less than

[   ]

43 1 point

Python operator for testing: not equal to

[   ]

44   1 point

Python comment character

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45   1 point

Give the full linux terminal command for - change directory to your home directory:

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46   1 point

Give the full linux terminal command for - copy the directory ~cs151/public_html/code/QUIZ and all of its contents into your home directory:

47   1 point

Give the full linux terminal command for - create a new directory BACKUP in your home directory:

48   1 point

Give the full linux terminal command for - list the contest of the directory /u1/junk

49   1 point

Linux command for your favorite terminal text editor:

50 1 point

Linux command for - change directory:

[   ]

51 1 point

Linux command for - copy file(s):

[   ]

52 1 point

Linux command for - list directory contents:

[   ]

53 1 point

Linux command for - make a new directory:

[   ]

54 1 point

Linux command for - move or rename a file or directory:

[   ]

55 1 point

Linux command for - remove file(s):

[ ]

56 1 point

Linux terminal - shortcut for current directory (one character):

[ ]

57 1 point

Linux terminal - shortcut for directory one level up from current (two characters):

[ ]