Fall 2022

CSC-121

Introduction to Computer Programming

Exam-1

Friday, September 16th 2022

By signing below, I certify that the work on this exam is my own

Printed Name:

_____

Signature:

_____

Q1. Evaluate each of the following expressions and fill the blank with the resulting value. If the expression cannot be executed due to an error, write *"error"* in the blank.

1. `4 ** 1/2`   _____

2. `9 ** 1/2`   _____

3. `9.0 % 3.0`   _____

4. `2 % 5`   _____

5. `2 // 5`   _____

6. `19 % 12`   _____

7. `2.5 % 1`   _____

8. `2.5 // 1`   _____

9. `123 % 10`   _____

10. `123 // 10`   _____

11. `1 == True`   _____

12. `"1" == True`   _____

13. `True == "True"`   _____

14. `4 == 4.0`   _____

15. `3 == "3"`   _____

16. `4 <= 4.0`   _____

17. `-3.14 < -6.28`   _____

18. `int(4.6)`   _____

19. `float(4)`   _____

20. `int(2+2)`   _____

21. `bool(2-2)`   _____

22. `bool("False")`   _____

23. `2 + int("0")`   _____

24. `True and not True or True`   _____

25. `1 + 2 % 2`   _____

26. `100 + 100 * 20/100`   _____

27. `1+1+1+1+1+1+1+1*0`   _____

Q2. Given an integer `number`, write executable Python code to print *only one* of the statements below, depending on which of the following conditions is best satisfied:

Condition	Print Statement
`number` is divisible by 4	*"Multiple of 4"*
`number` is divisible by 5	*"Multiple of 5"*
`number` is divisible by both 4 and 5	*"Multiple of both 4 and 5"*
`number` is neither divisible by 4 nor 5	*"Multiple of neither 4 nor 5"*

```
#Input(s)
number = 20
```