**Python Lab Assignment#1**

**Course Name: Programming II**

**Course Code: CS 181**

**Due Date: 11/10/2022**

**Student Name:**

**ID No.: Grade:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| QUESTION | Q#1 | Q#2 | Q#3 | Total |
| MARKS | 1 | 2 | 2 | 5 |
| SCORE |  |  |  |  |

**Objectives:**

**In this lab assignment, we aim to create programs that allow the manipulation and the test of the following concepts:**

* **Identifiers**
* **Expressions**
* **Explicit and implicit data type Conversion**

**Python practice test (Expressions and conversion):**

You can produce new data (numeric or text) values in your program using expressions.

**Q#1**. **By analyzing the following expressions, which of the following is a valid variable name in Python?**

1. Which of the following is a keyword in Python?
2. A) int
3. B) void
4. C) float
5. D) return
6. E) All of the above
7. Which of the following is a keyword in Python?
8. A) int
9. B) void
10. C) float
11. D) return
12. E) All of the above
13. float
14. do
15. if
16. \_x
17. 2.0a
18. None of the above

**Solution:**

**do**

**\_x**

**float (built-in name, but can use it)**

If the user types: 3.5<ENTER> followed by: 2<ENTER>, what is the output?

1. (Here <ENTER> is the return or enter key of the keyboard)
2. a = input()
3. b = int( input() )
4. print (a \* b)
5. A) 3.5
6. B) 3.53.5
7. C)7
8. D)6
9. E) None of the above

**Q#2. If the user types: 3.5<ENTER> followed by: 2<ENTER>, what is the output?**

**(Here <ENTER> is the return or enter key of the keyboard)**

a = input()

b = int( input() )

print (a \* b)

1. 3.5
2. 3.53.5
3. 7
4. 6
5. None of the above

**Solution:**

**3.53.5**

**Q#3. By analyzing the following expressions, which expression will print 2.0?**

**Note: there may be more than one right answer.**

first=1.0

second=”1”

third= “1.1”

1. first + float(second)
2. float(second) + float(third)
3. first + int(third)
4. first + int(float(third))
5. int(first) + int(float(third))
6. 2.0 \* second

**Solution:**

**first + float(second)**

**first + int(float(third))**