



## 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. float
2. do
3. if
4. \_x
5. 2.0a
6. None of the above

### Solution:

**do**

**\_x**

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



**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))`**