



Lab 1: Introductory Lab

Objective

The objective of this lab is to introduce fundamental Python programming concepts to beginners. By the end of this lab, students will be able to:

1. Understand and use the `print()` command for output.
2. Identify and work with basic data types: integer, float, string, and boolean.
3. Learn how to create and use variables.
4. Take user input and perform simple operations with it.
5. Understand the use of `type()` to determine the data type of a variable.

1. Hello World

```
In [ ]: print("Hello, World!")
```

2. Practicing Print Command

```
In [1]: print('This is my first lab')
```

This is my first lab

3. Integer

```
In [2]: x = 45
        print(x)
        print(type(x))
```

45
<class 'int'>

4. Float

```
In [3]: y = 3.14
        print(y)
        print(type(y))
```

3.14
<class 'float'>

5. String

```
In [7]: name = "Azka"  
        print(name)  
        print(type(name))
```

```
Azka  
<class 'str'>
```

6. Variables and Input

```
In [8]: name = input("Enter your name: ")  
        age = int(input("Enter your age: "))  
        print("Hello", name, "you are", age, "years old.")
```

```
Hello Azkaa Karim you are 20 years old.
```