



Brain International School

Vikas Puri, New Delhi

ASSIGNMENT NO. 2

SUBJECT: INFORMATICS PRACTICES

CLASS-XI

MAY,2025

CH 3: PYTHON PROGRAMMING FUNDAMENTALS

1. Define a variable. Give two examples of valid variable names in Python.
2. What is the difference between a keyword and an identifier?
3. Write a Python program to accept two integers from the user and display their sum and product.
4. List any four rules to be followed while naming variables in Python.
5. What will be the output of the following code?

```
x = 5
y = 2
print(x ** y)
print(x // y)
```

6. What are the different types of operators supported in Python? List them with examples.
7. Explain the difference between = and == in Python with suitable examples.
8. Write a Python program to check whether a number entered by the user is even or odd.
9. What are literals in Python? Explain with suitable examples.
10. What will be the output of the following expression?

```
x = 10
y = 4
z = x + y * 2 - x // y
print(z)
```

11. Write a Python program that accepts a student's name and marks in three subjects. Calculate and display the average marks.
12. Describe the different data types in Python with at least one example each.
13. What is the purpose of the `input()` function in Python? How does it differ from `print()`?
14. What will be the result of the following code?

```
a = 7
b = 3
a += b
b *= a
print(a, b)
```

15. Write a Python program that accepts the radius of a circle and calculates and prints its area and circumference.