



ASSIGNMENT 1

INFORMATICS PRACTICES

CLASS XI

APRIL, MAY 2026

CH 1: Computer system overview

1. What is the difference between hardware and software?
2. Define the term operating system.
3. Give two examples of open-source operating systems.
4. What is the function of the CPU in a computer system?
5. What is the difference between RAM and ROM?
6. Write two examples of input devices and two of output devices.
7. Define the term peripheral device.
8. What is the role of a compiler?
9. What is meant by cloud computing?
10. Differentiate between primary and secondary memory.

CH 2 : Getting started with python

1. What is Python? Mention any two features.
2. Name any two popular Python IDEs.
3. What is the extension of a Python file?
4. What is meant by interactive mode in Python?
5. What is the difference between interactive and script mode?
6. What does the print() function do in Python?
7. How do you start the Python shell in your system?
8. Write the output of: `print("Welcome" + "2025")`
9. What is syntax error in Python?
10. Write a simple Python program to display your name and age.

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.