

## ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1 Dt: 13/03/2024	New interns were introduced to fundamental concepts of Computers, which was encouraged our awareness on computer science	<ul style="list-style-type: none"> <li>→ Computer Definition</li> <li>→ Understanding on ASCII and its significance.</li> <li>→ Types of programming Languages.</li> <li>→ Number Systems &amp; Conversions</li> </ul>	
Day - 2 Dt: 14/03/2024	On day 2, we were introduced to python, and discussed python's history, advantages, and features.	<ul style="list-style-type: none"> <li>→ Python History, Characteristics.</li> <li>→ Programming Paradigms</li> <li>→ OOP Principles.</li> </ul>	
Day - 3 Dt: 15/03/2024	On this day, we have covered the concepts of python like variables, datatypes, keywords, and built-in functions	<ul style="list-style-type: none"> <li>→ Python's Variables, DataTypes, Keywords</li> <li>→ Python's Built-in functions</li> <li>→ Type casting in python</li> </ul>	
Day - 4 Dt: 18/03/2024	On day 4, we have explored the fundamental concepts of python's functionality i.e., operators	<ul style="list-style-type: none"> <li>→ Operators and Types of operators in Python</li> <li>→ Understanding on Boolean, Logical, Comparison, Assignment operators.</li> </ul>	
Day - 5 Dt: 19/03/2024	On day 5, we covered the strings concept in python and their declaration, accessing and operations on strings	<ul style="list-style-type: none"> <li>→ Understanding on the concept of strings in python.</li> <li>→ String operations like indexing, accessing and slicing</li> </ul>	
Day - 6 Dt: 20/03/2024	In the end of the first week, we learnt all the built-in methods of string in python as in depth.	<ul style="list-style-type: none"> <li>→ Learned various built-in methods like capitalize(), count(), endswith(), expandtabs(), split(), etc., ..</li> </ul>	



## WEEKLY REPORT

WEEK - 1 (From Dt. 13/03/2024 to Dt. 20/03/2024)

Objective of the Activity Done: Gaining an Awareness and Recap on Python <sup>Fundamen</sup>-tals

Detailed Report: During the first week of our Internship at IGIAT, we as interns were immersed in a thorough overview of Python Programming Fundamentals.

Day-1: 13/03/24: The first day we were introduced to fundamental computer concepts. The concepts that are covered - definition of computer, ASCII and its significance, programming language types, the role of translators, and number systems & conversions.

Day-2: 14/03/2024: On our second day we delved into Python, the topics which were discussed are history, features, programming paradigms supported by python, and finally the advantages and disadvantages of python.

Day-3: 15/03/24: On our third day we involved in learning the key token concepts of python like DataTypes, Variables, Built-in functions, and Keywords <sup>exposure</sup> and finally we also learnt the Type casting concept in Python with practicaly

Day-4: 18/03/24: on our fourth day we continued to learn python's functional concepts like operators, their definitions, classifications, and workings on different data types, with a practical exposure through tasks.

Day-5: 19/03/24: On our fifth day we learnt the string manipulation basics in python, and string operations like indexing, accessing, slicing, the string and modifying the strings in python, with hands on exercises.

Day-6: 20/03/24: On our final day of the week we gained a comprehensive study of Python's string builtin functions, like capitalize(), endswith(), startswith(), split(), replace(), islower(), isupper(), tolower(), toupper(), etc..