Python Programming Internship

DLithe
Be Agile..Be in Demand

Self Introduction

I am Ujwala. I stay in Karkala, currently I am pursuing B.E. third year in Electronics and communication Engineering from NMAM Institute of Technology.

Company Introduction

The Internship is based on Python programming language offered by DLithe.

An excellent platform for someone passionate about research and development to learn & implement various things. DLithe provides you the right platform for you to explore transformations using niche technologies. An outcome-based program is designed for all kinds of needs. They have worked with large enterprise engagement in various domains like, Manufacturing, Retails, Banking, Finance and Insurance, etc., using various Technologies like Python, Java, Microsoft, AI, IoT and many more. They have provided sufficient information in the internship and it's very helpful to understand the things.

My Internship Journey

The course was thought to us by Asaithambi Sir from DLithe. The course started with introduction to programming like how the python is related to machine learning and many more. We were made aware on how python has vast libraries and how easily the can implemented. Then go through how to run the programs using necessary software. In this internship we are used PyCharm community software to run our codes.

The **concepts** which were thought in internship:

- They briefly explained about the **Operators** i.e. Arithmetic operators, Relation operators, Logical operators, Bitwise operators, Membership operators, Identity operators & Assignment operators.
- **Data type** i.e. Number, String, List, Boolean, Tuple, Dictionary, Range, etc. After these basic ideas we are trying to do the coding using these things.
- **Control structures** There are 3 types 1.Sequential control structure, 2.Selective control structure, 3.Iterative control structure. The Sequential control structure includes single line input writings. Next type of control structure is Selective, it includes if statements, else if and nested if. Another type is Iterative Control structure, in this we studied while and for loop.
- **Pattern** is the next topic. In this we solve different types of pattern programming that is nothing but we have to print the output in different patterns like butterfly, diamond, square etc.
- Next we saw the **number pattern** i.e. we have to print the numbers in different patterns.
- **Type conversion function** or **type casting function** is the one more topic. It includes int( ), float( ), complex( ), bool( ), str( ), list[ ], tuple( ), set( ), dict( ), oct( ), hex( ), bin( ), frozen( ), range( ), ord( ), chr( ), unichar( ), etc.

- **Built in string function** and **methods** in this we study min( ), max( ), len( ), capitalize( ), title cases, justifications, etc.
- **User defined functions** and **Arguments** there are 5 types of arguments 1.Required argument 2.Keyword argument 3.Default argument 4.Variable length argument 5.Variable length keyword argument
- **Built in packages in python** i.e. numby, tensorflow, etc**.**

Each concept was thought in depth and how it was related to one another that are done in the sessions. So using these ideas we can easily write the codes of any type. We were given some assignment questions based on the topic which were discussed in session. Some assignment programs are solved during the session also. Doubts and queries were cleared on beginning and end of the every session.

Conclusion

This internship changed my opinion about the programs. It thought me that the python is the easy programming language and we can understand easily. All the time we were motivated by Asaithambi Sir and Arun Sir which helped us a lot. Overall this internship was very interesting and helped me to improve my coding skill.