⏺ Lecture 00: Instructor and Course Introduction

◈ Course Overview:

- This course is designed to teach **Python programming** from **basic to advanced** level.
- It is suitable for **beginners** and **intermediate learners**.
- The course is supported by **Xeven Solutions**, **AWFERA Innovations**, and **Allor Walay Trust**.
- The medium of instruction appears to be **Urdu**, which makes it accessible for local learners in Pakistan or Urdu-speaking regions.

👦🏫 Instructor Introduction:

◈ Irfan Malik

- **Chairman & Founder** of **Xeven Solutions LLC**.
- Brings **industry experience**, likely to cover real-world Python applications.
- Possibly oversees course structure or guest segments.

◈ M. Haris

- **Senior Machine Learning Engineer** at **Xeven Solutions LLC**.
- Most likely the **main instructor** for the Python programming lectures.
- Will teach:
    - Python fundamentals
    - Data structures
    - Functions
    - Possibly advanced topics like Machine Learning integration

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◎ What to Expect in the Course:

- **Hands-on learning** approach
- Real-world projects and examples
- Python use cases in **Data Science**, **Machine Learning**, **Web Development**, etc.
- Focus on building **logical thinking** and **problem-solving** using Python
- Likely includes **assignments**, **quizzes**, and **practical exercises**

♀ Difficult Terms Explained:

Term	Meaning
Python Programming	A high-level, easy-to-learn programming language used in many areas like web, AI, data science, etc.
Machine Learning (ML)	A type of AI where systems learn from data to make predictions or decisions.
LLC (Limited Liability Company)	A company structure in which owners are not personally liable for the company's debts.

❓ Possible Questions for Review:

1. Who is the instructor of this course?
2. What is the main programming language taught in this course?
3. What kind of real-world applications might Python be used for, as hinted in the introduction?
4. Which organizations are collaborating on this course?