**Transcript**  
**26 March 2025, 10:15 AM**

**Interviewer (Sai Seetu Reddy Bommareddy):**  
Hello, Pushpaja.

**Candidate (Pushpaja Udayagiri):**  
Hello, Seetu.

**Interviewer:**  
You are not audible.

**Candidate:**  
Hello?

**Interviewer:**  
Pushpaja, you’re not audible.

**Candidate:**  
Hello. Hello. Hello.

**Interviewer:**  
Hello, Pushpaja.

**Candidate:**  
Hello. Am I audible? Hello? Can you hear me?

**Interviewer:**  
No, I can't hear you, Pushpaja.  
OK then. Good afternoon. We will start the interview process. Can you introduce yourself?

**Candidate:**  
Hello. Can you hear me? Can you hear me?

**Interviewer:**  
Yes, yes, please introduce yourself.

**Candidate:**  
Hello, my name is Pushpaja.  
I am an intern at Motivity Labs.

**Interviewer:**  
OK. Do you have knowledge of Python?

**Candidate:**  
Yes.

**Interviewer:**  
OK. Can you tell me the difference between a list and a tuple in Python?

**Candidate:**  
Yes. A list is mutable, while a tuple is immutable.  
Lists are used when we need to modify data, whereas tuples are used when data should remain fixed—for example, storing coordinates or configuration settings.  
Lists require more memory due to dynamic allocation, whereas tuples require less memory.

**Interviewer:**  
OK, good.  
How does Python handle memory management for large datasets?

**Candidate:**  
Python manages memory using automatic garbage collection, which removes objects that are no longer referenced.  
It utilizes reference counting, memory pools, and virtual memory paging for efficient management.

**Interviewer:**  
OK. Can you mention a few real-life applications of Python?

**Candidate:**  
Python is widely used in various fields, including AI, machine learning, and web development.  
It is used for building machine learning models, developing websites, and various other applications.

**Interviewer:**  
OK, good.  
Thank you, Pushpaja. The interview is done. We will get back to you later via email. Thank you.

**Candidate:**  
Thank you.