**Ques. Research and summarize your learnings on XAI in 100 words.**

**Ans:** The word XAI stands for ‘**Explainable AI**’. As AI has become an integral part of our modern world, we must understand why and how it makes predictions and decisions. These questions of why and how are the subject of the field of XAI.

XAI is a Machine Learning library that is designed with AI explainability in its core. XAI contains various tools that enable analysis and evaluation of data and models. It is maintained by The Institute for Ethical AI & ML, and was developed based on the 8 principles for Responsible Machine Learning. The XAI library is designed to empower ML engineers and relevant domain experts to analyze the end-to-end solution and identify discrepancies that may result in sub-optimal performance relative to the objectives required.