

An illustration of a person with dark hair, wearing a pink shirt and blue pants, sitting in a green office chair at a desk. They are working on a laptop. On the desk is a blue mug. The background is a light blue grid. Floating around the person are several colorful icons: a magnifying glass (blue), a code symbol </> (orange), a gear (green), a lightbulb (pink), a speech bubble with 'Hi' (orange), a speech bubble with 'Hello' (blue), a speech bubble with 'Welcome' (blue), a speech bubble with 'Goodbye' (blue), a speech bubble with 'Thank you' (blue), a speech bubble with 'I love you' (blue), a speech bubble with 'I miss you' (blue), a speech bubble with 'I hate you' (blue), a speech bubble with 'I am here' (blue), a speech bubble with 'I am not here' (blue), a speech bubble with 'I am going' (blue), a speech bubble with 'I am coming' (blue), a speech bubble with 'I am thinking' (blue), a speech bubble with 'I am feeling' (blue), a speech bubble with 'I am doing' (blue), a speech bubble with 'I am being' (blue), a speech bubble with 'I am having' (blue), a speech bubble with 'I am making' (blue), a speech bubble with 'I am creating' (blue), a speech bubble with 'I am destroying' (blue), a speech bubble with 'I am building' (blue), a speech bubble with 'I am breaking' (blue), a speech bubble with 'I am fixing' (blue), a speech bubble with 'I am repairing' (blue), a speech bubble with 'I am improving' (blue), a speech bubble with 'I am changing' (blue), a speech bubble with 'I am growing' (blue), a speech bubble with 'I am learning' (blue), a speech bubble with 'I am teaching' (blue), a speech bubble with 'I am helping' (blue), a speech bubble with 'I am hurting' (blue), a speech bubble with 'I am loving' (blue), a speech bubble with 'I am hating' (blue), a speech bubble with 'I am missing' (blue), a speech bubble with 'I am remembering' (blue), a speech bubble with 'I am forgetting' (blue), a speech bubble with 'I am knowing' (blue), a speech bubble with 'I am not knowing' (blue), a speech bubble with 'I am understanding' (blue), a speech bubble with 'I am not understanding' (blue), a speech bubble with 'I am believing' (blue), a speech bubble with 'I am not believing' (blue), a speech bubble with 'I am trusting' (blue), a speech bubble with 'I am not trusting' (blue), a speech bubble with 'I am loving' (blue), a speech bubble with 'I am hating' (blue), a speech bubble with 'I am missing' (blue), a speech bubble with 'I am remembering' (blue), a speech bubble with 'I am forgetting' (blue), a speech bubble with 'I am knowing' (blue), a speech bubble with 'I am not knowing' (blue), a speech bubble with 'I am understanding' (blue), a speech bubble with 'I am not understanding' (blue), a speech bubble with 'I am believing' (blue), a speech bubble with 'I am not believing' (blue), a speech bubble with 'I am trusting' (blue), a speech bubble with 'I am not trusting' (blue).

# Introduction to programming

A Beginner's Guide for Non-Programmers

Mukesh Kumar

# AGENDA

- What is programming
- Why programming came into existence

# What is Programming?

- **Definition:**
  - Programming is the process of creating a set of instructions that a computer follows to perform specific tasks.
- **Key Point:**
  - Just like learning a new language, programming languages have their own syntax and rules.

# Why Did Programming Come into Existence?

- **The Need for Automation:**
  - Before computers, humans performed all calculations manually, which was time-consuming and prone to error.
- **From Simple Calculations to Complex Tasks:**
  - As technology advanced, there was a need for machines to perform more complex tasks beyond calculations, such as handling data, simulating environments, and making decisions.

# Why Did Programming Come into Existence?

- **To Solve Real-World Problems:**
  - Programming emerged as a way to provide detailed instructions to computers to automate tasks, make decisions, and solve complex problems in various industries like medicine, engineering, and communication.

# Importance of Programming

- **Relevance in Various Fields:**
  - Programming is essential not only in computer science but also in fields like engineering, science, and business.
- **Career Opportunities:**
  - Many jobs in the IT industry require basic programming knowledge, making it a valuable skill for fresh graduates.