

# Relation Extraction

## Context:

"Other Articles Brad Pitt splurges 250,000 pounds for motorbike Hero buys Firefox, eyes premium market Havells sets up its first home appliances plant in India Infosys co-founder Narayana Murthy has singled out |u201cerroneous policies|u201d pursued by successive governments at the Centre for constraining India|u2019s massive potential to lead in the hardware sector."

## Question:

Extract the subject and object containing a certain relation in the sentence according to the following relation types, in the format of "relation1: word1, word2; relation2: word3, word4".

## Possible Relations:

product/material produced; manufacturer; distributed by; industry; position held; original broadcaster; owned by; founded by; distribution format; headquarters location; stock exchange; currency; parent organization; chief executive officer; director/manager; owner of; operator; member of; employer; chairperson; platform; subsidiary; legal form; publisher; developer; brand; business division; location of formation; creator.

## Original Answer:

**founded\_by:** Infosys, Narayana Murthy

## GPT 4o Answer:

manufacturer: Havells, home appliances plant; owner of: Brad Pitt, motorbike; industry: Infosys, hardware sector; location of formation: Havells, India; founder: Narayana Murthy, Infosys

## Our model in 0-shot:

industry: Infosys, software; product\_or\_material\_produced: Infosys, software; industry: Firefox, software; product\_or\_material\_produced: Firefox, software; industry: Havells, manufacturing; ..

## Our model in 1-shot:

employer: Narayana Murthy, Infosys; **founded\_by: Infosys, Narayana Murthy;** director/\_manager: Infosys, Narayana Murthy; owner\_of: Narayana Murthy, Infosys; chief\_executive\_officer: Infosys, Narayana Murthy; ..