

Rasa Intermediate course

session 2

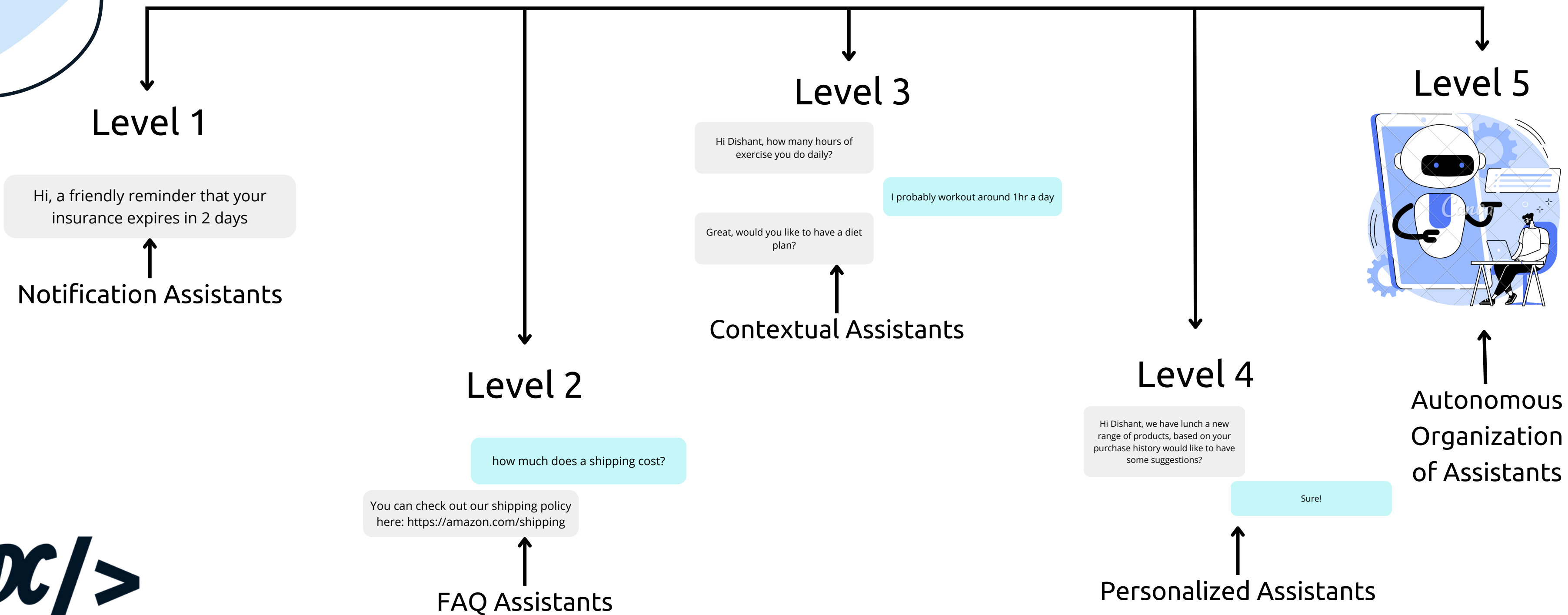


What we will learn?

- What is NLU
- Understanding intents
- Understanding entities
- What is NLP
- Adding intents
- Adding support for entities
- Training nlu model and testing
- Best practices for NLU

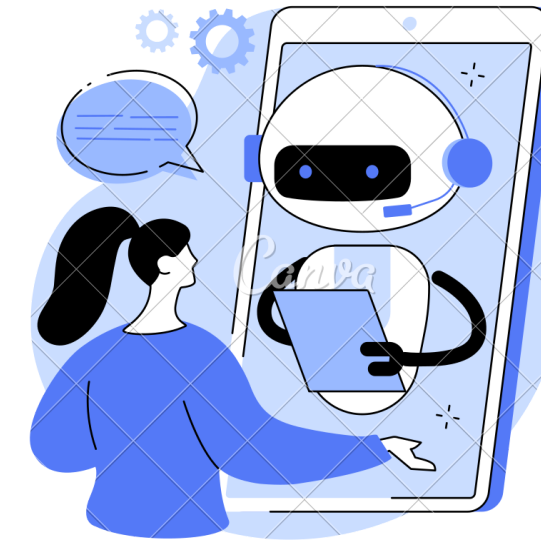


Different kinds of bot



What is NLU

- Natural Language Understanding



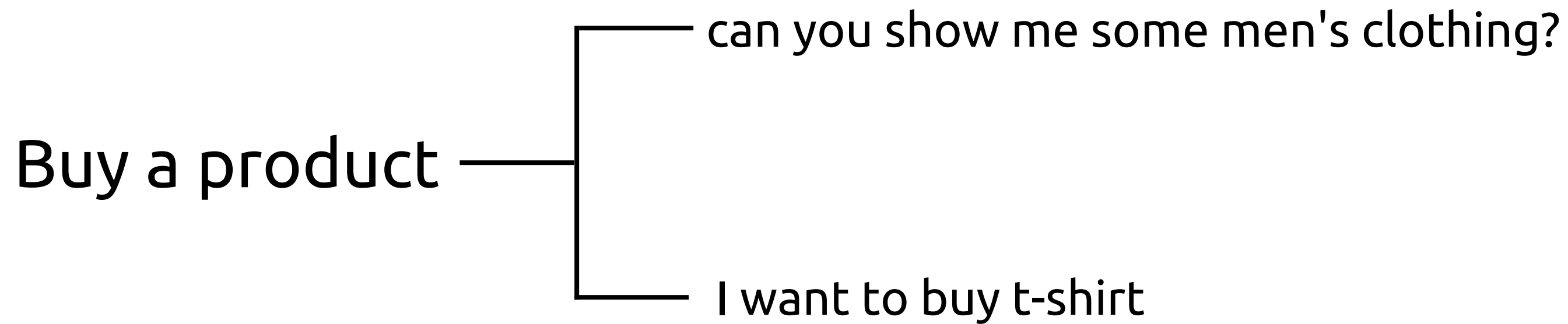
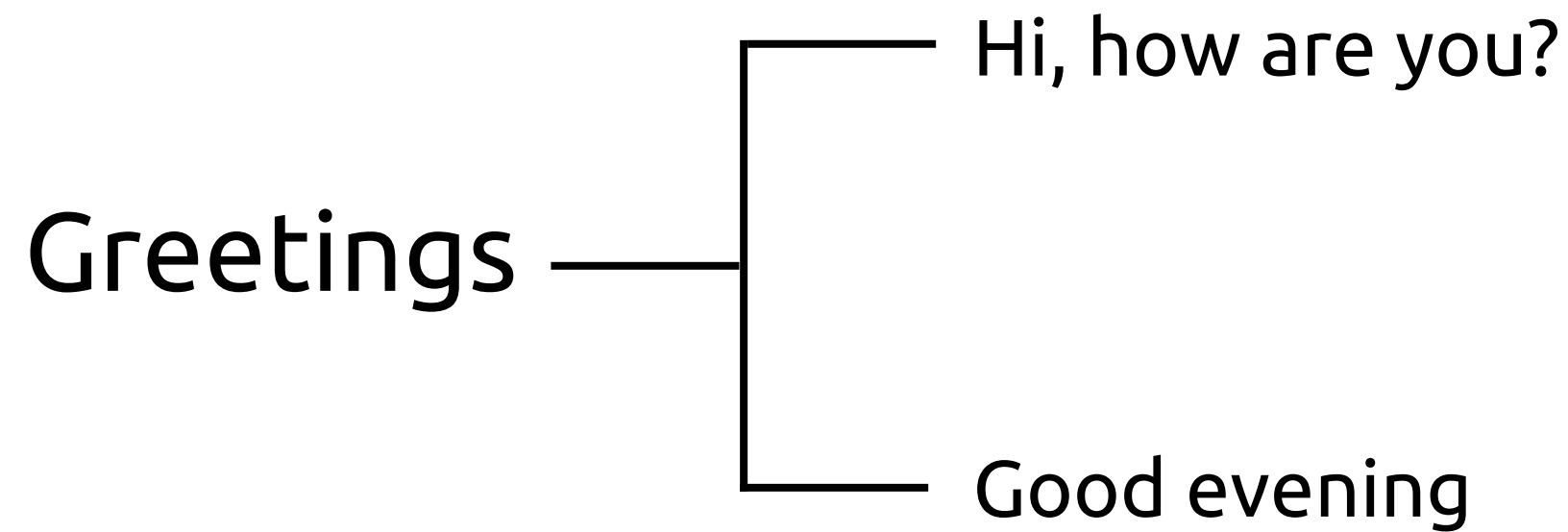
Hi, I want to deposit
some money

Processes request
to understand
intention

Sure, please provide
amount of money

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Understanding intents



Understanding entities

Color	Entity name
	Name
	category
	product_type

Greetings —

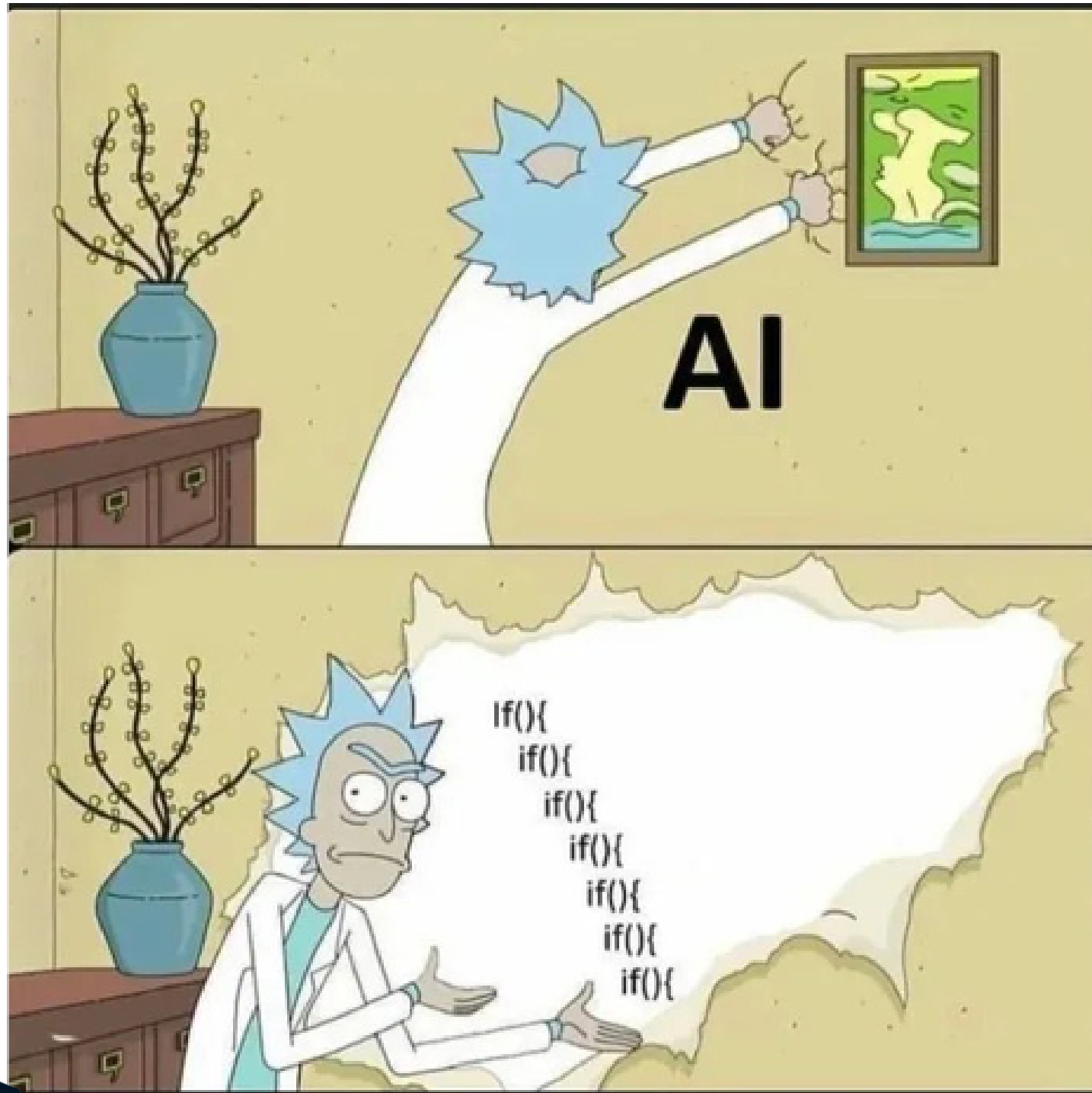
- Hi **Dishant**, how are you?
- Good morning **Dishant**

Buy a product —

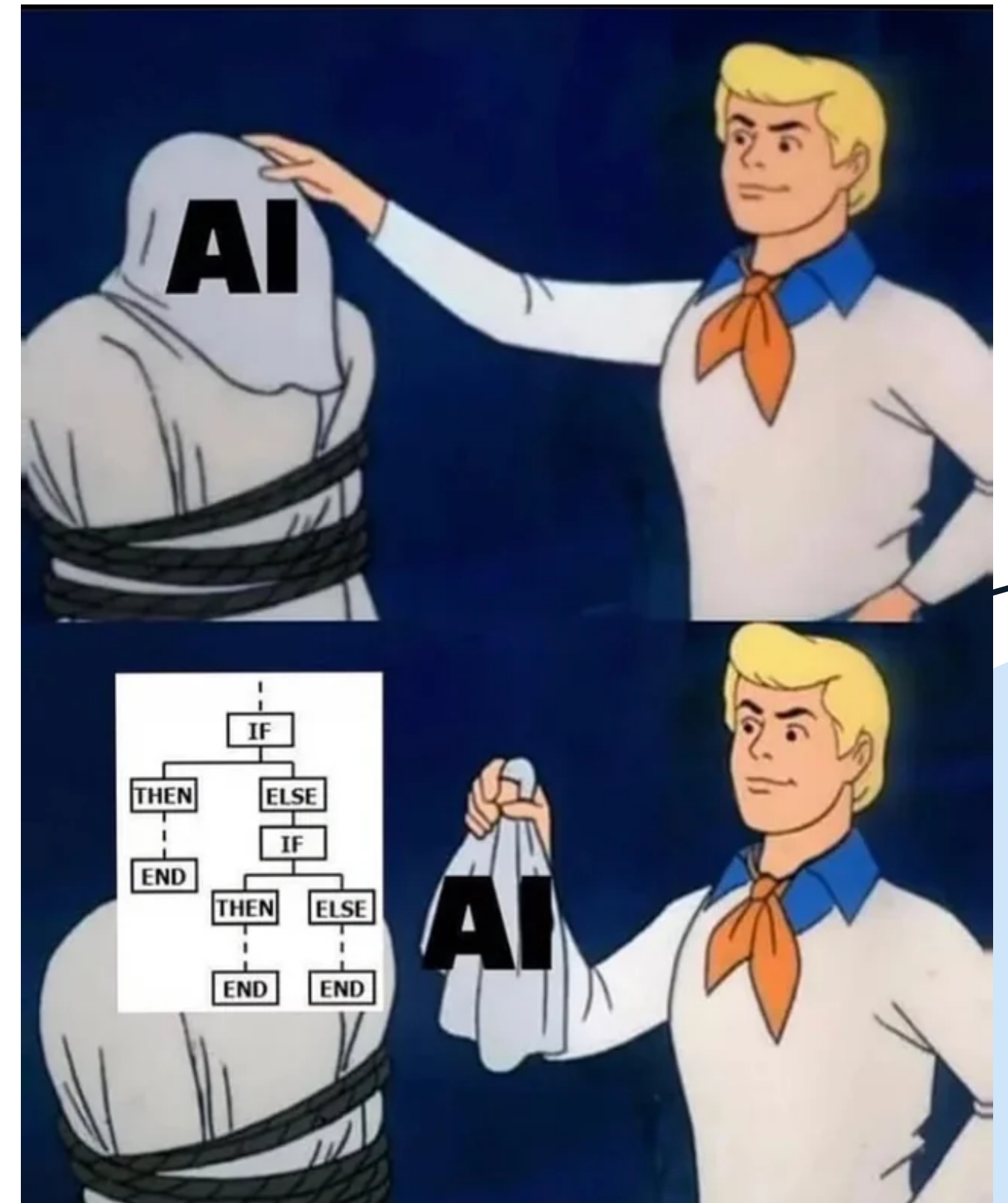
- can you show me some **men's clothing**?
- I want to buy **t-shirt**

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Understanding Natural Language Processing(NLP)



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Understanding Natural Language Processing(NLP)

- NLP is a branch of AI
- We use different models, libraries to process text
- Neural networks are used for complex assistants,
- nltk, tokenization, bag of words, POS tagging are few methods used in NLP
- NLP is also used in sentiment analysis
- Many social media apps use NLP for fake news detection, abusive language detection, etc.

Adding intents

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Adding support for entities

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Training NLU model

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Best practices for NLU

- Add minimum 10 trainings for each intent
- Distribute all intents by categories.
- Use real data
- Use Entities for capturing values
- Add trainings for misspelled words too.
- Add out-of-scope and link it with fallback.



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Summary

- Understood NLU
- Learned intents and entities
- What is NLP
- Implemented intents, entities
- Used and understood rasa NLU server
- Best practices for Rasa NLU



Thank you!

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