

SOLVED WORKSHEET



SESSION 12

Making a Speech to Text Bot

This worksheet belongs to _____

1. Which extension in PictoBlox has blocks dedicated to speech recognition?
- a) Speech Identifier
 - b) Artificial Intelligence
 - c) QR Code Scanner
 - d) Machine Learning

Answer: b)

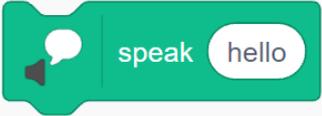
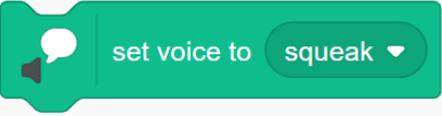
1 Point

2. Humans are pre-programmed to listen and understand language, since birth.
- a) True
 - b) False

Answer: b)

1 Point

3. Match the following- Match the PictoBlox part with its appropriate usage, by drawing matching lines:

	PictoBlox Part		Usage
(i)		a)	Sets the voice of sprite.
(ii)		b)	Converts sound to text and stores it.
(iii)		c)	Can join multiple blocks as well as text together.
(iv)		d)	Speaks out loud, the text given.

Answer: (i) b) (ii) d) (iii) a) (iv) c)

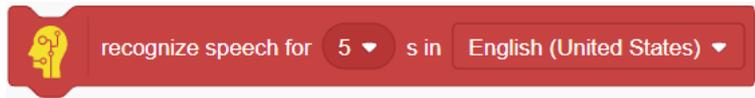
4 Points

4. Speech Recognition is the ability of a machine to identify words and phrases in _____ language (also called: natural language) and convert them to a form that _____ can understand (machine-readable format).

Answer (i) spoken (ii) machine(s)

2 Points

5. Explain: What does the block-



do?

Answer:

This block converts speech that is spoken for the next 5 seconds, to text. Here, the speech must be spoken in English language. However, time duration and language can be changed from the dropdown.

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2 Points