**Level 1 Eliza**

1. Research the “ELIZA Computer Therapist Program”. Summarize your answers to the following:
   1. What does the program do?

The Eliza program is a natural language processing program that acts like a chatbot.

* 1. When and why was the program created?

The program was created between 1964 and 1968 to attempt the Turing Test.

* 1. How does the program work?

1. Use an on-line version of the ELIZA program to see what it is like.
   1. Open the URL : <http://psych.fullerton.edu/mbirnbaum/psych101/Eliza.htm>
   2. Begin by talking about your feelings (just like if you were talking to a guidance councillor).
   3. After a while, try to trick the program.
2. In what ways did the program seem like you were talking to a real person? What was a strategy used by the program to keep the discussion going?

The program kept asking “Tell me more…”, which is a trick to keep the conversation going with the chatbot.

1. In what ways could you tell that it was not a real person? What were some of the weaknesses of the program?

If the program did not know what the user has said, its output will be:

* Oh… (random word)
* Come, come, elucidate your thoughts.
* Tell me more.

1. If you had your friend talk to ELIZA but did not tell them it was a program, how long do you think it would take for them to figure it out? Explain your answer.

The time it will take for one of my friends to figure out this is fake depends on who the person is. Everyone should be able to figure out this is face after about 6-8 messages.

**Level 2 Turing Test**

1. Research the “Turing Test”. Summarize your answers to the following:
   1. What is the Turing Test?

The Turing Test is to test a computer’s intelligence where a computer has to be distinguished from a human.

* 1. Who was Alan Turing?

Alan Turing was a British computer scientist who theorized Artificial Intelligence.

* 1. How does the Turning Test work?

In a Turing Test, there are 2 or more people involved. One is the judge, and the other is the ‘chatter’. There is also an AI chatbot. The role of the judge is to differentiate the AI from the Human and see if the AI can mimic human language, such as personality and emotions.

* 1. How is the Turing Test different from other Artificial Intelligence tests?

The Turing test is different from other Artificial Intelligence tests because it tests the capability of an Artificial Intelligence to mimic a human rather than just answer back.

1. Visit the Ted Ed website to learn more about the Turing Test.
   1. Watch the video at: <https://ed.ted.com/lessons/the-turing-test-can-a-computer-pass-for-a-human-alex-gendler>
   2. Complete the on-line test at: <https://ed.ted.com/lessons/the-turing-test-can-a-computer-pass-for-a-human-alex-gendler#review>
2. Has any computer AI passed the Turing Test? Research this question and report on your results..

There is only one AI so far that has passed the Turing Test. The AI is called Eugene Goostman; it replicates the conversation from a 13 year old Ukrainian Boy’s style.

1. Do you think that you have ever been fooled by an on-line computer AI program? Explain your answer.

No. I do not think I have been fooled by an online computer AI because the technology is not good enough right now to deploy AI chatbots online. They are still in development.

Level 3 To Be Defined….

Social Media Bots

<https://www.questia.com/magazine/1G1-530914703/social-media-bots-how-they-spread-misinformation>

<https://www.usnews.com/news/healthiest-communities/articles/2018-07-24/how-social-media-bots-could-compromise-public-health>

Automated Journalism

<https://www.bbc.com/news/business-42858174>

<https://digiday.com/media/washington-posts-robot-reporter-published-500-articles-last-year/>

Will Artificial Intelligence take your job?

<https://www.forbes.com/sites/forbestechcouncil/2018/02/26/artificial-intelligence-will-take-your-job-what-you-can-do-today-to-protect-it-tomorrow/#430f57bf4f27>

<https://www.forbes.com/sites/theyec/2018/07/06/do-you-fear-artificial-intelligence-will-take-your-job/#7fb127a611aa>