**Level 1 Eliza**

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

Eliza acts as a therapist

* 1. **When and why was the program created?**

In the 60’s

* 1. **How does the program work?**

It repeats what you ask back with additional sentences to make it seem more realistic or like a human. The program often gets repetitive.

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**](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 repeats the questions asked and added additional sentences to make it seem like a human. After a while, Eliza became repetitive and asks for more questions/information or didn’t answer the questions asked.

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

It was repetitive at times and wouldn’t answer some questions

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.**

5-6 minutes or around 6-7 questions because after a few questions, Eliza becomes repetitive and doesn’t answer the question if she doesn’t have an answer so it becomes suspicious.

**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 an intelligence test for a computer. It requires a human to not be able to separate or tell the difference between the machine and a human by asking questions.

* 1. **Who was Alan Turing?**

Alan Turing was a part of the British intelligence agency M16 recruited from Cambridge mathematics alumnus to crack Nazi codes(Enigma) during WW2. Enigma was thought to be unbreakable but Turing and his team was able to break the code using a machine they built and they became heroes.

* 1. **How does the Turning Test work?**

Turing proposed that an evaluator would judge conversations between humans and machines made to give responses similar to human responses. The evaluator would have to be able to tell the difference between which is human and which is an AI. The content would be displayed through a screen so the voice of the AI or human would not matter. If the evaluator can’t tell which is AI and which is human then the AI has passed the test.

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

The Turing Test was created ahead of the time or era of computers. When the Turing Test was created, computers weren’t as popular or relevant as they are today. It was more complex test at the time.

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.**

No AI has passed the Turing test although 2 have been said to pass, none have passed the test. Turing thought that by 2000, the test would be passed easily by computers but in reality none have passed

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

I don’t think I have. I haven’t really went online to chat with online bots so I don’t really know if I have been fooled.

**Level 3 Article reviews**

Pick any three (3) out of the following four (4) articles to read and review. Answer the questions that are specific to each article.

Article 1: Social Media Bots

Read the following article:

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

1. How much internet traffic is estimated to be produced by AI bots?
2. What are some strategies used by bots to appear more human?
3. How many social media accounts are estimated to be AI bots?
4. How easy is it for a user to detect that they have been “friended” buy a social media AI bot?

Article 2: Social Media Bots

Read the following article:

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

1. How many social media accounts are estimated to be AI bots?
2. What is the purpose / objective of these AI bots?
3. How could a bot be used to increase the number of people vaping or smoking?
4. How could a bot be used to increase the public concern about getting vaccinated?
5. What is a “sockpuppet”?

Article 3: Automated Journalism

Read the following article:

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

1. What are some of the topics of the articles produced by the robo-journalists owned by the Press Association (PA)? How long and how detailed are these articles?
2. “At this stage” what are the limitations of robo-journalists? What jobs do human journalists do that cannot yet be done by robo-journalists?
3. What happened when the LA Times used a robo-journalist to report on an earthquake?
4. What are some of the “easier” tasks that robo-journalists are used to produce articles for?
5. Do you think this article was written by a robo-journalist? Explain your answer by giving examples of both why and why not.

Article 4: Automated Journalism

Read the following article:

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

1. What is the name of the Washington Post’s robo-journalist and what was its first assignment?
2. How can robo-reporting expand the audience for newspapers?
3. How can robo-reporting help human journalists?
4. Are smaller news organizations using robo-reporting? What are the benefits to smaller organizations?
5. Do you think this article was written by a robo-reporter? Explain your answer by giving examples of both why and why not.

**Level 4 Will Artificial Intelligence Take My Job (Presentation)**

1. Read the following articles to get some ideas about what you should include in your presentation.

<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>

1. Select a job (topic) that you think might not be affected by computer technology and artificial intelligence.
   1. A list of job topics is included at the end of this page.
   2. Your job topic must be confirmed with Mr. Nestor.
   3. Your job topic must be unique in the class.
2. Create a presentation that will inform other students about the following information:
   1. Title your presentation “ Will AI Take My Job as a (your job topic)”
   2. Describe your job as it currently exists (or as it is traditionally). Focus on details that could be automated.
   3. Provide some examples of how your job can be (or has been) changed by computer technology in general.
   4. Provide some examples of how your job can be (or has been) changed by artificial intelligence specifically.
   5. Describe your job as it will exist in the future as it changes due to computer technology.
   6. Explain what education will be required to do this job more effectively.
3. Presentations are due on Wednesday and will be presented Wednesday and Thursday.
   1. Presentation to the class should be 5 minutes in length
   2. Share your presentation with Mr. Nestor through Google docs.

**Job Topic Suggestions:**

|  |  |  |
| --- | --- | --- |
| Truck Driver | Taxi Driver | Delivery Person |
| Store Checkout Clerk | Restaurant Cook / Waiter | Retail Sales Person |
| Real Estate Agent | Financial Advisor | Bank Teller |
| Family Doctor | Medical Specialist / Surgeon | Fitness Instructor |
| Artist | TV / Radio Personality | Actor |
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