**Task 1 Eliza**

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

It emulates a Rogerian psychotherapist.

* 1. When and why was the program created?

It first appeared in the 60’s. It was created to show Artificial Intelligence and its interactions with humans.

* 1. How does the program work?

Just type your question and concerns and hit return. The program will answer you.

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?

It kept wanting me to tell more, and asked for my feelings. It was empathetic to some degree. Although it had some flaws.

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

It repeated itself a lot. It could not really talk, and its sentence structure was very basic. You can tell it was an automated response system based on what the user typed.

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.

It would not take them very long. ELIZA is very basic with the way it creates sentences and it is not very intelligent. It would be easily distinct from a regular humans speech.

**Task 2 Turing Test**

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

A test for intelligence in a computer, requiring that a human should be unable to tell the difference from a machine and another person, by using the replies to questions put to both.

* 1. Who was Alan Turing?

Alan Turing was an English mathematician, computer scientisit, logician, cryptanalyst, philosopher and theoretical biologist. He is known to be the father of theoretical computer science as well as Articial Intelligence.

* 1. How does the Turning Test work?

Turing said that a computer can said to possess AI if it can mimic human responses under specific conditions. The original Turing Test required three terminals, each of them physically separated from the other two. One terminal is operated by a computer, while the other two are operated by humans.

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

There are other alternatives to the Turing Test, such as the Marcus Test- in which the program can “watch” TV and is asked questions about the show’s contents. There was also The Lovelace Test 2.0- where a test is made to detect AI from examining its ability to make art.

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 been able to pass the Turing Test since it was introduced, although two computer programs claim to have passed it. Turing himself thought that by the year 2000, computer systems would be able to easily pass the test.

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

No I don’t think I ever have been fooled by an online computer. It is easy to tell whether a program is a bot or a real person. Therefore, since I easily knew the AI was a computer, I did not fall for it.

**Task 3 Social Media Article reviews**

Pick any **one (1)** of the following “Social Media Bot” 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?

Around 30% of the internet’s traffic is produced by malicious bots.

1. What are some strategies used by bots to appear more human?

They use genuine first and last names, as well as a profile photo of a human. They also have “bios” on their social medias with fake personal information about them.

1. How many social media accounts are estimated to be AI bots?

In 2014, Twitter’s percentage of bots was 8.5 of all of its users. In 2017, the amount of bots on Twitter was 15% of its whole platform. Bots make up a very large percentage of every social medias platform.

1. How easy is it for a user to detect that they have been “friended” buy a social media AI bot?

Depending on how genuine and real the bot appears to be on social media, it varies. Usually, if the account has no profile photo and a very obscure name, with no bio, it is easy to be identified as a bot. Whereas, if the bot has a profile photo of a real person or something else which seems genuine (like an artist), with a real name and a bio, it can be harder to identify. Although, usually it is easy to tell whether an account is a bot or not.

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”?