Task A

1. Mobile tracking works by using a variety of sources, including cellphone towers, Global Positioning System (GPS) signals, and Bluetooth beacons.

Describe in the table below how each one is able to track us through data.

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| **Source** | **How does it work?** |
| Cellphone towers |  |
| GPS (Global Positioning Systems) |  |
| Bluetooth |  |

1. Using the table below, identify how these pose a threat to our data and suggest a way to ensure the data remains private.

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| **Example** | **Why is this a threat to the privacy of our data?** | **What can be done to ensure the data remains private?** |
| Social networking sites |  |  |
| Spyware |  |  |
| Search engines |  |  |
| Hackers |  |  |
| Identify theft |  |  |
| Cookies |  |  |
| Geotagging |  |  |

Task B

1. Use the internet or prior knowledge to answer the following questions.
2. How does facial recognition work?

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1. Many high streets are equipped with facial recognition cameras however, some people believe this is an invasion of privacy.

Discuss the impact of using facial recognition cameras in public. (Looking for positive and negative thoughts)

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Task C

1. Read the following article to answer the following questions.

<https://www.theguardian.com/world/2016/dec/25/british-councils-used-investigatory-powers-ripa-to-secretly-spy-on-public?fbclid=IwAR1LJxe-Tgf3bXQ5yn6LycYcCu1m4le-isCr34LRNFhy-eAn-WUgEamqNhI>

1. What were councils given permission to do?

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1. How was this evidence collected?

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1. What did the freedom of information request reveal?

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1. Discuss whether you believe these councils were acting ethically.

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1. What is the purpose of the Investigatory Powers Act?

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1. What does the act include detail of?

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1. Identify the consequences for breaking this law.

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