1. Explain how the error card trick from the Error Detection lesson uses a parity scheme. Was it an even or odd parity scheme?
2. What are some of the limitations of using parity bits for error detection?
3. Another type of error detection is a check sum. Research what a check sum is and then describe it in your own words. Can a check sum identify where an error occurs?
4. (Optional) Explain in your own words the difference between error detection and error correction. Describe how the error correction process used in the video above allows the computer to fix errors.

**Portfolio Reflection Questions**

**Make a copy** of this document in your Portfolio Assignments folder and answer these questions in the spaces below. Once complete, turn in this assignment according to the steps given by your teacher.

[3.7 Parity Error Checking Curriculum Page](https://course.mobilecsp.org/mobilecsp/unit?unit=22&lesson=30)

Answer the following questions:

1. Explain how the error card trick from the Error Detection lesson uses a parity scheme. Was it an even or odd parity scheme?

**Answer**

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2. What are some of the limitations of using parity bits for error detection?

**Answer**

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3. Another type of error detection is a check sum. Research what a check sum is and then describe it in your own words. Can a check sum identify where an error occurs?

**Answer**

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4. (Optional) Explain in your own words the difference between error detection and error correction. Describe how the error correction process used in the video above allows the computer to fix errors.

**Answer**

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