CS 2040 Embedded Systems: How to use a breadboard and solderless components

1. How do you use a breadboard?

a. Plug it in to an outlet.
b. Place your components on the board and solder them in place.
c. Place your components on the board and use jumper wires to connect them.

2. How do you use solderless components?

a. Place them on the board and solder them in place.
b. Place them on the board and use jumper wires to connect them.
c. Plug them in to an outlet.

3. What is the purpose of a breadboard?

a. To hold your components in place while you solder them.
b. To allow you to quickly and easily prototype your circuit.
c. To provide power to your circuit.

4. What are some of the advantages of using a breadboard?

a. You can quickly and easily prototype your circuit.
b. You can make changes to your circuit without having to solder or desolder components.
c. It is easy to connect and disconnect components.

5. What are some of the disadvantages of using a breadboard?

a. Components can come loose from the board.
b. The board can be damaged easily.
c. It can be difficult to connect and disconnect components.

6. What is the purpose of using solderless components?

a. To allow you to quickly and easily prototype your circuit.
b. To make changes to your circuit without having to solder or desolder components.
c. To provide power to your circuit.

7. What are some of the advantages of using solderless components?

a. You can quickly and easily prototype your circuit.
b. You can make changes to your circuit without having to solder or desolder components.
c. It is easy to connect and disconnect components.

8. What are some of the disadvantages of using solderless components?

a. Components can come loose from the board.
b. The board can be damaged easily.
c. It can be difficult to connect and disconnect components.

9. What is the purpose of using a breadboard?

a. To hold your components in place while you solder them.
b. To allow you to quickly and easily prototype your circuit.
c. To provide power to your circuit.

10. What are some of the advantages of using a breadboard?

a. You can quickly and easily prototype your circuit.
b. You can make changes to your circuit without having to solder or desolder components.
c. It is easy to connect and disconnect components.

11. What are some of the disadvantages of using a breadboard?

a. Components can come loose from the board.
b. The board can be damaged easily.
c. It can be difficult to connect and disconnect components.

12. What is the purpose of using solderless components?

a. To allow you to quickly and easily prototype your circuit.
b. To make changes to your circuit without having to solder or desolder components.
c. To provide power to your circuit.

13. What are some of the advantages of using solderless components?

a. You can quickly and easily prototype your circuit.
b. You can make changes to your circuit without having to solder or desolder components.
c. It is easy to connect and disconnect components.

14. What are some of the disadvantages of using solderless components?

a. Components can come loose from the board.
b. The board can be damaged easily.
c. It can be difficult to connect and disconnect components.

15. What is the purpose of using a breadboard?

a. To hold your components in place while you solder them.
b. To allow you to quickly and easily prototype your circuit.
c. To provide power to your circuit.

16. What are some of the advantages of using a breadboard?

a. You can quickly and easily prototype your circuit.
b. You can make changes to your circuit without having to solder or desolder components.
c. It is easy to connect and disconnect components.

17. What are some of the disadvantages of using a breadboard?

a. Components can come loose from the board.
b. The board can be damaged easily.
c. It can be difficult to connect and disconnect components.

18. What is the purpose of using solderless components?

a. To allow you to quickly and easily prototype your circuit.
b. To make changes to your circuit without having to solder or desolder components.
c. To provide power to your circuit.

19. What are some of the advantages of using solderless components?

a. You can quickly and easily prototype your circuit.

b. You can make changes to your circuit without having to solder or desolder components.
c. It is easy to connect and disconnect components.

20. What are some of the disadvantages of using solderless components?

a. Components can come loose from the board.
b. The board can be damaged easily.
c. It can be difficult to connect and disconnect components.

Answer Key:

1. c
2. b
3. b
4. a, b, c
5. a, b, c
6. a, b, c
7. a, b, c
8. a, b, c
9. b
10. a, b, c
11. a, b, c
12. a, b, c
13. a, b, c
14. a, b, c
15. b
16. a, b, c
17. a, b, c
18. a, b, c
19. a, b, c
20. a, b, c