

Your grade: **92.85%**

Next item →

Your latest: **92.85%** • Your highest: **92.85%** • To pass you need at least 80%. We keep your highest score.

1. What differentiates an embedded system from most other desktop or server computer systems? (Mark all that apply)

1 / 1 point

✓ Correct

2. Which of the options below is a valid function declaration?

1 / 1 point

✓ Correct

3. Which code declares two variables, an 8-bit type named foo (initialized to hexadecimal FF) and an 8-bit pointer variable named bar that points to the variable foo?

1 / 1 point

✓ Correct

4.

1 / 1 point

What Embedded Software Development components are necessary for developing a project? (select all that apply)

✓ Correct

5. Which of these are parts of a CPU? (Mark all that apply)

1 / 1 point

✓ Correct

6.

1 / 1 point

Which of these are parts of a Microcontroller? (Mark all that apply)

✓ Correct

7. What will be the values of foo and bar after executing this code?

1 / 1 point

```
1 int i = 0, foo = 0, bar = 0;
2 while( i < 17 ) {
3     i++;
4     foo += i;
5 }
6 for( i = 0; i < 17; i++ ) {
7     bar += i;
8 }
```

✓ Correct

8. What is the value of a after these three bitwise operations (in hexadecimal)?

1 / 1 point

```
1 unsigned short a = 0xFFFF;
2 a = ~( a ^ ( a<<4 ) );
```


✔ Correct

9. What is the following unsigned binary number in decimal, 0b110101101?

1 / 1 point

✔ Correct

10. Which of the following statements are true about this code? (Mark all that apply)

1 / 1 point

```
1 void main() {  
2     int x;  
3     unsigned int i;  
4     for ( i = 0 ; i >= 0 ; ) {  
5         x = (++i);  
6     }  
7     return;  
8 }
```

✔ Correct

11. What are the purposes of a team coding standard? (Mark all that apply)

1 point

✘ Incorrect

12. What is the following signed 2's complement binary number in decimal, 0b110101101?

1 / 1 point

✔ Correct

13. What git commands allow developers to get access to other developers software? ( Select all that apply )

1 / 1 point

✔ Correct

14. Architecture independence and software portability can be achieved by ... (Select all that apply ):

1 / 1 point

✔ Correct