



Arduino Programming Basics Summary Review Questions

Fill in the information on Arduino and programming, using the mark breakdown with ½ mark for short answers and 1 mark for detailed explanation. It is not necessary to answer with the question/topic in the answer. Answers can be found in Arduino Prog. Language & Prog. and syntax resource documents.

Mark Breakdown Column

Q#	A
1	2
2	1
3	1.5
4	3.5
5	2
6	2.5
7	2
8	3
9	1.5
10	1.5
11	1.5
12	2.5
13	1
14	3
15	1.5
16	2
17	2
18	2
19	4
T=	40

1. Describe the start of Arduino (history).

2. The Arduino Language is made up of what?

3. Arduino libraries are supported by types of languages?

4. Who uses Arduino Software/hardware and for what 5 areas?

5. Describe 2 advantages of the Arduino Software/hardware?

6. What is Arduino IDE?



Arduino Programming Basics Summary Review Questions cont.

Mark
Breakdown
Column

Q#	A
1	2
2	1
3	1.5
4	3.5
5	2
6	2.5
7	2
8	3
9	1.5
10	1.5
11	1.5
12	2.5
13	1
14	3
15	1.5
16	2
17	2
18	2
19	4
T=	40

7. What does the Arduino Compiler do?

8. Name and explain what the two required functions are, needed to communicate to the Arduino board?

9. What is the code syntax #define and give an example?

10. What is the code syntax #include and give an example?

11. What are block comments, and give an example:

12. How many data types (variables) and what are the 4 most common?

13. What is the difference between local vs a global variable?

14. What are the different arithmetic and comparison functions that can be used in an Arduino:



Arduino Programming Basics Summary Review Questions cont.

15. Describe what a pin mode declaration is and give an example:

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Breakdown
Column

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1	2
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17	2
18	2
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T=	40

16. What does the digital read vs write pin control do on the Arduino Uno, their voltage, and number available?

17. What does the analog read vs write pin control do on the Arduino Uno, PWM control, and how many are there?

18. Name and describe 2 branch/redirect statements?

19. What are control statements in general and name, describe three of them?
