

# Programming - Evaluation

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Here are 20 questions designed to evaluate a person's readiness to learn programming, focusing on problem-solving, logical thinking, attention to detail, and persistence:

### 1. Section 1: Logical Thinking and Problem-Solving (8 Questions)

1. What is the next number in this sequence? 2, 4, 8, 16, \_\_?
  - a) 20
  - b) 24
  - c) 32
  - d) 30
2. If all roses are flowers, and all flowers need water, what can you conclude?
  - a) Roses do not need water.
  - b) Roses need water.
  - c) Only some flowers need water.
  - d) All roses are red.
3. A man buys 3 books for \$5 each and sells them for \$7 each. How much profit does he make?
  - a) \$6
  - b) \$9
  - c) \$15
  - d) \$21
4. Which of the following is a step-by-step approach to solve a problem?
  - a) Guesswork
  - b) Algorithm
  - c) Random search
  - d) Estimation
5. You are given 3 tasks to do in a specific order. Task A comes before Task B. Task B comes before Task C. Which task should you complete first?
  - a) Task A

- b) Task B
- c) Task C
- d) Any order

**6. What is the smallest positive integer that is divisible by both 2 and 3?**

- a) 4
- b) 5
- c) 6
- d) 9

**7. If it takes 2 minutes to boil an egg, how long will it take to boil 3 eggs?**

- a) 2 minutes
- b) 3 minutes
- c) 4 minutes
- d) 6 minutes

**8. Which of these is a logical statement?**

- a) "The sun rises in the west."
- b) "The sky is green."
- c) " $2 + 2 = 4$ ."
- d) "Water is solid at room temperature."

## 2. Section 2: Attention to Detail (6 Questions)

**1. If you follow these instructions: "Turn left, then take two steps forward, and then turn right," which direction are you facing if you start by facing north?**

- a) East
- b) West
- c) North
- d) South

**2. In the word "DEVELOPMENT," which letter is in the 5th position?**

- a) E
- b) L
- c) V
- d) O

**3. Identify the error in this sentence: "Thre is an error in this sentnce."**

- a) There is no error.
- b) Error in spelling of "Thre".
- c) Error in spelling of "sentnce".

- d) Both b and c.

**4. Which of the following is the correct spelling?**

- a) Accomodation
- b) Accommodation
- c) Acommodation
- d) Accommdation

**5. A recipe says to add 2 tablespoons of sugar. How much sugar would you add if you need to make half the recipe?**

- a) 2 tablespoons
- b) 1 tablespoon
- c) 3 tablespoons
- d) 0.5 tablespoon

**6. If you misplace a semicolon in a sentence, what impact would it have?**

- a) None
- b) Slight change in meaning
- c) Major change in meaning
- d) The sentence becomes grammatically incorrect.

### **3. Section 3: Patience and Persistence (4 Questions)**

**1. How do you approach solving a puzzle you find difficult?**

- a) Give up quickly.
- b) Try different strategies until you find a solution.
- c) Ask someone else to do it.
- d) Skip it and move on.

**2. If your initial attempt at solving a problem fails, what do you do next?**

- a) Try a different method.
- b) Stop trying.
- c) Blame external factors.
- d) Guess the answer randomly.

**3. How do you handle a task that involves repeating the same step multiple times?**

- a) Get frustrated and quit.
- b) Complete the task step by step with patience.
- c) Rush through it without checking for accuracy.
- d) Avoid the task altogether.

**4. When faced with a complicated problem, do you:**

- a) Try to solve it in one go.
- b) Break it down into smaller parts.
- c) Avoid thinking too much.
- d) Ignore the problem.

## **4. Section 4: Curiosity and Willingness to Learn (2 Questions)**

### **1. How often do you seek out new knowledge or skills?**

- a) Frequently.
- b) Sometimes.
- c) Rarely.
- d) Never.

### **2. What would you do if you don't understand a concept while learning?**

- a) Ignore it.
- b) Ask questions or do additional research.
- c) Pretend to understand.
- d) Stop learning.

These questions cover different aspects to assess a person's readiness for programming and understanding of OOP concepts.