



Student's 1987 Code Fix Led to Photoshop Creation

Description

Thomas Knoll did not plan to create a major image editor. In 1987, while studying for his PhD at the University of Michigan, he faced a problem. His Macintosh Plus showed images only in black and white, which made his research difficult. To fix this, he wrote a small program called Display. This program allowed the screen to show shades of gray. This simple utility helped develop Adobe Photoshop.

Photoshop was first sold on February 19, 1990. For over 35 years, it has changed photography, publishing, film, and web design. Thomas Knoll's story, shared in a 2015 interview, makes us understand the software's important history.

Thomas started coding in high school and enjoyed photography since he was eleven. His brother, John Knoll, worked in special effects and saw the potential of Thomas's program. He urged Thomas to combine all his image tools into one application to save time. This led to making Photoshop.

Adobe recognized the software's value quickly and launched Photoshop 1.0 for Mac in February 1990. However, at that time, consumer digital cameras and printers were not available. The software became popular when affordable tech arrived in the early 1990s. Adobe has expanded Photoshop to many platforms and donated the original code to a museum to preserve its history.

Vocabulary List:

1. **editor** //ˈɛdətə// (noun): a program or person who changes content
2. **utility** //juːˈtɪlɪti// (noun): a small program that does one job
3. **shades** //ʃeɪdz// (noun): slightly different degrees of color or light
4. **potential** //pəˈtɛnʃəl// (noun): ability to become something or be successful
5. **consumer** //kənˈsuːmə// (adjective): made for people who buy things
6. **preserve** //prɪˈzɜːv// (verb): to keep something safe for the future

Comprehension Questions

Multiple Choice

1. In what year was Photoshop first sold?



- Option: 1987
- Option: 1990
- Option: 1995
- Option: 2000

2. What was the name of the small program that Thomas Knoll wrote to show shades of gray?

- Option: Display
- Option: Photoshop
- Option: Image Gray
- Option: Color Display

3. Who urged Thomas Knoll to combine all his image tools into one application?

- Option: John Knoll
- Option: Adobe
- Option: His professor
- Option: A friend

4. What was the primary purpose of developing the Display program?

- Option: To create Photoshop
- Option: To show shades of gray
- Option: To edit videos
- Option: To fix printers

5. Which platform did Photoshop 1.0 launch for?

- Option: Windows
- Option: Mac
- Option: Linux
- Option: Android

6. In which field has Photoshop significantly impacted?

- Option: Gaming
- Option: Architecture
- Option: Photography
- Option: All of the above

True-False

7. Thomas Knoll developed Photoshop before he began his PhD studies.



8. Adobe Photoshop was first sold in 1990.
9. Thomas Knoll's brother worked in special effects.
10. Consumer digital cameras were widely available when Photoshop was launched.
11. Photoshop has never been recognized by Adobe as a valuable software.
12. Thomas Knoll started coding while he was in high school.

Gap-Fill

13. Thomas Knoll faced a problem with his Macintosh Plus showing images only in black and white, so he wrote a small program called _____ to fix this.
14. Photoshop was first sold on _____ 19, 1990.
15. John Knoll urged Thomas to combine all his image tools into one _____ to save time.
16. Adobe launched Photoshop 1.0 for Mac in February _____
17. Affordable technology arrived in the early _____, helping Photoshop become popular.
18. Adobe has donated the original code of Photoshop to a _____ to preserve its history.

Answer

Multiple Choice: 1. 1990 2. Display 3. John Knoll 4. To show shades of gray 5. Mac 6. Photography

True-False: 7. False 8. True 9. True 10. False 11. False 12. True

Gap-Fill: 13. Display 14. February 15. application 16. 1990 17. 1990s 18. museum

Vocabulary quizzes

Multiple Choice (Select the Correct answer for each question.)

1. Which of the following terms is often used to refer to buyers in a marketplace?



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- Option: Retailer
Option: Consumer
Option: Partnership
Option: Vending
2. What type of gaming device is commonly referred to as portable and can be held in one hand?
Option: Console
Option: Handheld
Option: Streaming
Option: Utility
3. Which field of study focuses on celestial objects and the universe?
Option: Astronomy
Option: Retailing
Option: Haptic
Option: Performance
4. Which term refers to individuals whose net worth is at least one billion dollars?
Option: Retailers
Option: Billionaires
Option: Frameworks
Option: Developing
5. What term is used to describe a collaborative agreement between two or more parties?
Option: Vending
Option: Partnerships
Option: Array
Option: Storage
6. What technology allows continuous data flow, usually for media content?
Option: Haptic
Option: Streaming
Option: Utility
Option: Performance
7. In what context is the term reliability often evaluated?
Option: Performance
Option: Vending
Option: Reliability
Option: Framework
8. What action are businesses typically trying to achieve regarding their sales and profits?
Option: Decrease



- Option: Remove
- Option: Increase
- Option: Acknowledge

9. What term refers to the act of taking something away or eliminating it?

- Option: Removals
- Option: Balance
- Option: Potential
- Option: Navigate

10. What technology provides tactile feedback to users, often used in gaming?

- Option: Haptic
- Option: Vending
- Option: Array
- Option: Venture

Gap-Fill (Fill in the blanks with the correct word from the vocabulary list.)

11. The new software was designed to improve the _____ of the existing system.

12. A solid _____ is necessary for the project to succeed.

13. The team's _____ improved significantly after the new training program.

14. It's important to establish a work-life _____ to maintain mental health.

15. We must _____ our natural resources for future generations.

16. Drivers need to _____ the complex road systems in urban areas.

17. The committee _____ the contributions of all members during the meeting.

18. The startup showed great _____ for growth in the tech market.

19. Many communication systems rely on _____ to function effectively.

20. The engineer designed complex _____ to manage data processing.

Matching Sentences (Match each definition to the correct word from the vocabulary list.)

21. Vending machines offer a convenient way for consumers to purchase snacks and drinks quickly.



22. Many companies aim to increase their market share during the busy holiday season.
23. The removals of outdated policies helped streamline the organization's operations.
24. Retailers must adapt to changing consumer preferences to stay competitive.
25. Strategic partnerships can lead to innovative solutions and better market positioning.
26. The government announced new fiscal policies to stabilize the economy.
27. The gaming console offers high-quality graphics and immersive gameplay experience.
28. Developing new technologies is crucial for staying ahead in the competitive marketplace.
29. Handheld devices have revolutionized the way we consume digital media on the go.
30. Streaming services have changed how audiences access and enjoy television and movies.

Answer

Multiple Choice: 1. Consumer 2. Handheld 3. Astronomy 4. Billionaires 5. Partnerships 6. Streaming 7. Reliability 8. Increase 9. Removals 10. Haptic

Gap-Fill: 11. utility 12. framework 13. performance 14. balance 15. preserve 16. navigate 17. acknowledged 18. potential 19. satellites 20. arrays

Matching sentence: 1. vending 2. increase 3. removals 4. retailers 5. partnerships 6. fiscal 7. console 8. developing 9. handheld 10. streaming

CATEGORY

1. Sci/Tech - LEVEL2

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Date Created

2026/05/01

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