

Questions to ask to ChatGPT and FinGPT

1. When did Apple's stock have the most cumulative total return between 2016 and 2021?
 - a. 2020
2. (Follow up question to #1) Why was there a jump in Apple's cumulative total return during from 2020 to 2021?
 - a. Total net sales increased 33% or \$91.3 billion during 2021 compared to 2020, driven by growth in all Products and Services categories.
3. Can you give me the products Apple sells?
 - a. iPhone, Mac, iPad, Wearables, Home and Accessories
4. Can you give me the services that Apple offers?
 - a. AppleCare, Cloud Services, Digital Content, Payment Services
5. Between August 29, 2021, and September 25, 2021, could you tell me the total number of shares purchased?
 - a. 35,041
6. Between 2020 and 2021 which Apple product had the highest increase in net sales?
 - a. iPhone
7. (Follow up question to #6) Why did this product have the highest increase in the percentage of their net sales?
 - a. iPhone net sales increased during 2021 compared to 2020 due primarily to higher net sales from the Company's new iPhone models launched in the first quarter and fourth quarter of 2021 and a favorable mix of iPhone sales.
8. Between 2020 and 2021 which country had the highest increase in net sales for Apple?
 - a. Greater China
9. (Follow up to question #8) Why did Apple's net sales increase so much from this one country?
 - a. Greater China net sales increased during 2021 compared to 2020 due primarily to higher net sales of iPhone, iPad and Services. The strength of the Chinese renminbi relative to the U.S. dollar had a favorable impact on Greater China net sales during 2021.
10. What was Apple's total gross margin and percentage during 2020 and 2021?
 - a. Total gross margin and its percentage 2020: \$104,956 and 38.2%
 - b. Total gross margin and its percentage 2021: \$152,836 and 41.8%
11. (Follow up to question #10) Why did the total gross margin percentage increase more in 2021 than it did in 2020?

- a. Products gross margin increased during 2021 compared to 2020 due primarily to higher Products volume, a different Products mix and the strength in foreign currencies relative to the U.S. dollar. Products gross margin percentage increased during 2021 compared to 2020 due primarily to a different Products mix, improved leverage and the strength in foreign currencies relative to the U.S. dollar.
12. What were Apple's operating expenses in research and development during 2019?
- a. \$16,217
13. What was Apple's total other income/(expense), net from 2019 to 2021?
- a. 2019: \$1,807
 - b. 2020: \$803
 - c. 2021: \$258
14. What were Apple's effective tax rate in 2020 and 2021?
- a. 2020: 14.4%
 - b. 2021: 13.3%
15. (Follow up to question #14) Why was the effective tax rate for 2020 lower than the statutory federal income tax rate for Apple?
- a. The Company's effective tax rate for 2021 was lower than the statutory federal income tax rate due primarily to a lower effective tax rate on foreign earnings, tax benefits from share-based compensation and foreign-derived intangible income deductions. The Company's effective tax rate for 2020 was lower than the statutory federal income tax rate due primarily to the lower tax rate on foreign earnings, including the impact of tax settlements, and tax benefits from share-based compensation.
16. (Follow up to question #13) Why was the effective tax rate for 2021 lower than in 2020 for Apple?
- a. The Company's effective tax rate for 2021 was lower compared to 2020 due primarily to higher tax benefits from foreign-derived intangible income deductions and share-based compensation and the favorable impact of changes in unrecognized tax benefits, partially offset by a one-time adjustment in 2020 of U.S. foreign tax credits in response to regulations issued by the U.S. Department of the Treasury in December 2019.
17. What was the provision for income taxes for Apple during 2019 and 2020?
- a. 2019: \$10,481
 - b. 2020: \$9,680
18. What were Apple's lease agreements as of 2021?

- a. The Company has lease arrangements for certain equipment and facilities, including retail, corporate, manufacturing and data center space.
19. (Follow up question to #17) What were the fixed lease payment obligations as of 2021?
- a. As of September 25, 2021, the Company had fixed lease payment obligations of \$14.6 billion, with \$1.8 billion payable within 12 months.
20. What was Apple's company quarterly cash dividend per share as of 2021?
- a. As of September 25, 2021, the Company's quarterly cash dividend was \$0.22 per share. The Company intends to increase its dividend on an annual basis, subject to declaration by the Board of Directors.
21. What were Apple's outstanding floating- and fixed-rate notes with varying maturities for an aggregate carrying amount between 2020 and 2021?
- a. As of September 25, 2021, the Company had outstanding floating- and fixed-rate notes with varying maturities for an aggregate principal amount of \$118.1 billion (collectively the "Notes"), with \$9.6 billion payable within 12 months. Future interest payments associated with the Notes total \$39.5 billion, with \$2.9 billion payable within 12 months.
22. What was Apple's difference in price between the basic earnings per share and the diluted earnings per share in 2021? (September 25, 2021)
- a. Basic earnings per share: \$5.67
 - b. Diluted earnings per share: \$5.61
 - c. $5.67 - 5.61 = \$0.06$
 - i. So the difference is 6 cents.
23. What was Apple's non-current marketable debt securities by contractual maturity which was due after 1 year through 5 years for 2021?
- a. \$ 83,755
24. How does Apple protect its foreign currency-denominated term debt from fluctuations in the foreign currency exchange rate?
- a. To protect the Company's foreign currency-denominated term debt or marketable securities from fluctuations in foreign currency exchange rates, the Company may enter into forward contracts, cross-currency swaps or other instruments. The Company designates these instruments as either cash flow or fair value hedges. As of September 25, 2021, the Company's hedged term debt- and marketable securities-related foreign currency transactions are expected to be recognized within 21 years.
25. What were Apple's carrying amounts of current and non-current marketable securities as of 2020?
- a. \$16,270

26. What was the total provision for income taxes for 2021, 2020, and 2019 for federal, state, and foreign?

- a. 2019: \$10,481
- b. 2020: \$9,680
- c. 2021: \$14,527

27. (Follow up question to #25) What was the foreign provision for income taxes based on?

- a. The foreign provision for income taxes is based on foreign pretax earnings of \$68.7 billion, \$38.1 billion and \$44.3 billion in 2021, 2020 and 2019, respectively.

Copilot's response to these questions:

1.

LINK: [aapl-20210925](#)