

Write a C++ program that will read from a text file whose name will be entered by the user.

Use [presidents.txt](#) for this assignment.

Allow the user to enter a year and then display the presidents' and vice-presidents' names in this format:

**Year? 1790**

**President: George Washington**

**Vice President: John Adams**

Notes:

1. There may be more than one President for a given year.
2. The years served will always be within parentheses.

Save this text in presidents.txt

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George Washington (1789-1797)    John Adams (1789-1797)
John Adams (1797-1801)         Thomas Jefferson (1797-1801)
Thomas Jefferson (1801-1805)   Aaron Burr (1801-1805)
Thomas Jefferson (1805-1809)   George Clinton (1805-1809)
James Madison (1809-1812)     George Clinton (1809-1812)
James Madison (1812-1813)     none (1812-1813)
James Madison (1813-1814)     Elbridge Gerry (1813-1814)
James Madison (1814-1817)     none (1814-1817)
James Monroe (1817-1825)      Daniel D. Tompkins (1817-1825)
John Quincy Adams (1825-1829)  John C. Calhoun (1825-1829)
Andrew Jackson (1829-1832)    John C. Calhoun (1829-1832)
Andrew Jackson (1832-1833)    none (1832-1833)
Andrew Jackson (1833-1837)    Martin Van Buren (1833-1837)
Martin Van Buren (1837-1841)  Richard M. Johnson (1837-1841)
William Henry Harrison (1841-1841)  John Tyler (1841-1841)
John Tyler (1841-1845)        none (1841-1845)
James K. Polk (1845-1849)     George M. Dallas (1845-1849)
Zachary Taylor (1849-1850)   Millard Fillmore (1849-1850)
Millard Fillmore (1850-1853)  none (1850-1853)
Franklin Pierce (1853-1853)  William King (1853-1853)
Franklin Pierce (1853-1857)  none (1853-1857)
James Buchanan (1857-1861)   John C. Breckinridge (1857-1861)
Abraham Lincoln (1861-1865)  Hannibal Hamlin (1861-1865)
Abraham Lincoln (1861-1865)  Andrew Johnson (1865-1865)
Andrew Johnson (1865-1869)   none (1865-1869)
Ulysses S. Grant (1869-1873)  Schuyler Colfax (1869-1873)
Ulysses S. Grant (1873-1875)  Henry Wilson (1873-1875)
Ulysses S. Grant (1875-1877)  none (1875-1877)
Rutherford B. Hayes (1877-1881)  William Wheeler (1877-1881)
James A. Garfield (1881-1881)  Chester Arthur (1881-1881)
Chester Arthur (1881-1885)  none (1881-1885)
Grover Cleveland (1885-1889)  Thomas Hendricks (1885-1885)
Grover Cleveland (1885-1889)  none (1885-1889)
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Benjamin Harrison (1889-1893)	Levi P. Morton (1889-1893)
Grover Cleveland (1893-1897)	Adlai E. Stevenson (1893-1897)
William McKinley (1897-1899)	Garret Hobart (1897-1899)
William McKinley (1889-1901)	none (1899-1901)
William McKinley (1901-1901)	Theodore Roosevelt (1901-1901)
Theodore Roosevelt (1901-1905)	none (1901-1905)
Theodore Roosevelt (1905-1909)	Charles Fairbanks (1905-1909)
William Howard Taft (1909-1912)	James S. Sherman (1909-1912)
William Howard Taft (1912-1913)	none (1912-1913)
Woodrow Wilson (1913-1921)	Thomas R. Marshall (1913-1921)
Warren G. Harding (1921-1923)	Calvin Coolidge (1921-1923)
Calvin Coolidge (1923-1925)	none (1923-1925)
Calvin Coolidge (1925-1929)	Charles Dawes (1925-1929)
Herbert Hoover (1929-1933)	Charles Curtis (1929-1933)
Franklin D. Roosevelt (1933-1941)	John Nance Garner (1933-1941)
Franklin D. Roosevelt (1941-1945)	Henry A. Wallace (1941-1945)
Franklin D. Roosevelt (1945-1945)	Harry S Truman (1945-1945)
Harry S Truman (1945-1949)	none (1945-1949)
Harry S Truman (1949-1953)	Alben Barkley (1949-1953)
Dwight D. Eisenhower (1953-1961)	Richard Nixon (1953-1961)
John F. Kennedy (1961-1963)	Lyndon B. Johnson (1961-1963)
Lyndon B. Johnson (1963-1965)	none (1963-1965)
Lyndon B. Johnson (1965-1969)	Hubert Humphrey (1965-1969)
Richard Nixon (1969-1973)	Spiro Agnew (1969-1973)
Richard Nixon (1973-1973)	none (1973-1973)
Richard Nixon (1973-1974)	Gerald Ford (1973-1974)
Gerald Ford (1974-1974)	none (1974-1974)
Gerald Ford (1974-1977)	Nelson Rockefeller (1974-1977)
Jimmy Carter (1977-1981)	Walter Mondale (1977-1981)
Ronald Reagan (1981-1989)	George Bush (1981-1989)
George Bush (1989-1993)	Dan Quayle (1989-1993)
Bill Clinton (1993-2001)	Al Gore (1993-2001)
George W. Bush (2001-2009)	Dick Cheney (2001-2009)
Barack Obama (2009-2014)	Joe Biden (2009-2014)