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//Question:1 Part 1

#include<iostream>
#include<cstring>
#include<iomanip>

using namespace std;

int main()//date conversion with c strings
{
    char s[9], year[1];
    string month;

    cout<<"\n\nEnter a date in MM/DD/YY format: "; cin.getline(s, 9);

    //Program determines the month by processing first two characters
    if((s[0]=='0')&& (s[1]=='1')) month = "January";
    else if((s[0]=='0')&& (s[1]=='2')) month = "February";
    else if((s[0]=='0')&& (s[1]=='3')) month = "March";
    else if((s[0]=='0')&& (s[1]=='4')) month = "April";
    else if((s[0]=='0')&& (s[1]=='5')) month = "May";
    else if((s[0]=='0')&& (s[1]=='6')) month = "June";
    else if((s[0]=='0')&& (s[1]=='7')) month = "July";
    else if((s[0]=='0')&& (s[1]=='8')) month= "August";
    else if((s[0]=='0')&& (s[1]=='9')) month = "September";
    else if((s[0]=='1')&& (s[1]=='0')) month = "October";
    else if((s[0]=='1')&& (s[1]=='1')) month = "November";
    else if((s[0]=='1')&& (s[1]=='2')) month = "December";
    else month = "Error";

    //Program analyzes the year. If the digits are greater then 12 then
    //it assumes that the date belongs to 20th century
    if(s[6]>1 && s[7]>2)
    {
        year[0] ='1';
        year[1] ='9';
    }
    else{
        year[0] ='2';
        year[1] ='0';
    }
    //display the date
    cout<<"\n\n"<<month<<" "<<s[3]<<s[4]<<"",
    "<<year[0]<<year[1]<<s[6]<<s[7]<<endl;

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    getch();  
    return 0;  
}
```

Enter a date in MM/DD/YY format: 05/14/09

May 14, 2009

Press any key to continue . . .