

Agenda

- Opening Prayer
- Spiritual Thought
- Q&A
 - Review Assignment
 - Review Next Project
- Quiz Review
- Generating More Output
- Looking Ahead



Spiritual Thought

"The graduates will be at personal peace by having kept the commandments. They will be natural leaders who know how to teach and how to learn. They will have the power to innovate and improve without requiring more of what money can buy. Those graduates of BYU-Idaho will become, and this is a prophecy that I am prepared to make and make solemnly, those graduates of BYU-Idaho will become legendary for their capacity to build the people around them and to add value wherever they serve."

President Henry B. Eyring



Review Last Assignment

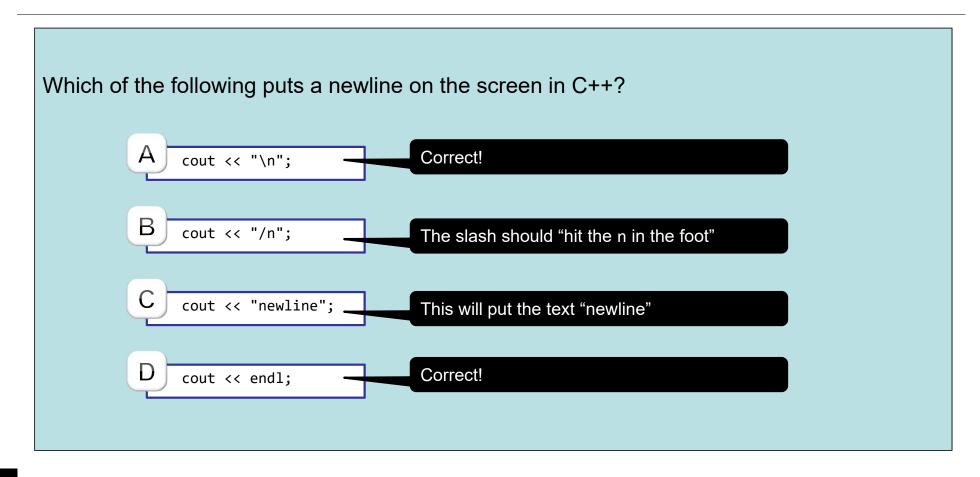
- What was the hardest part?
- How did you solve it?
- When I share my code on the screen, please do not take pictures ©



02 Ponder – Monthly Budget Project

```
This program keeps track of your monthly budget
Please enter the following:
        Your monthly income: 1000.00
        Your budgeted living expenses: 650.00
        Your actual living expenses: 700.00
        Your actual taxes withheld: 100.00
        Your actual tithe offerings: 120.00
        Your actual other expenses: 150.00
The following is a report on your monthly expenses
                               Budget
                                               Actual
        Item
                              1000.00
                                              1000.00
        Income
        Taxes
                                 0.00
                                               100.00
        Tithing
                                 0.00
                                               120.00
        Living.
                                               700.00
                               650.00
        Difference.
                                 0.00
                                                 0.00
```







```
How do you right-align numbers in C++?
         Α
             Compile error, there is no such
             cout << rightAlign() << 555 << endl; </pre>
                                                thing as rightAlign()
         В
             cout << "\t" << 5 << endl;
             cout << "\t" << 555 << endl;</pre>
                                                       555
             5
             cout << setw(5) << 555 << endl;</pre>
                                                     555
             Compile error. There is no
             cout << right() << 555 << endl;</pre>
                                                such thing as right()
```



```
What will be the output of the following code?
      cout << "\taa\n";</pre>
      cout << "aa\taa\n";</pre>
                                             cout << "\\taa\n";</pre>
                     \taa
                                             cout << "aa\\taa\n";</pre>
                     aa\taa
                                                                   aa\n";
                                             cout << "
               В
                           aa
                                                                     aa\n";
                                             cout << "aa
                     aa
                              aa
                                             cout << "\\taa\\n";</pre>
                     \taa\naa\taa\<del>n</del>
                                             cout << "aa\\taa\\n";</pre>
                                             cout << "\taa\n";</pre>
                             aa
                                             cout << "aa\taa\n";</pre>
                     aa
                             aa
```



Write the cout code to generate the following output



```
cout << "/\\/\\\n";
cout << "\\/\\/\\n";
```



What is the output of the following code?

```
{
   cout << "\t1\t2\t3\n\t4\t5\t6\n\t7\t8\t9\n";
}</pre>
```

```
1 2 3
4 5 6
7 8 9
```



Write the cout code to generate the following output

```
I am taking
        "CS 124"
```

```
cout << "I am taking\n";</pre>
cout << "\t\"CS 124\"\n";</pre>
```



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Weather Table

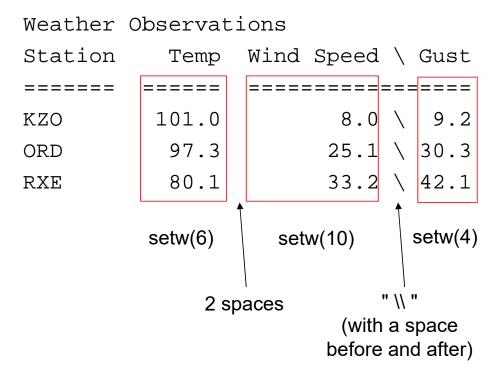
Create a table that will look like the following:

Weather Observations

Station	Temp	Wind Speed \ Gust
======	=====	=======================================
KZO	101.0	8.0 \ 9.2
ORD	97.3	25.1 \ 30.3
RXE	80.1	33.2 \ 42.1



Weather Table





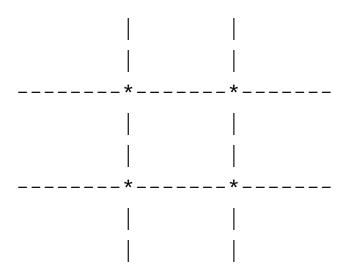
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Weather Table

```
Weather Observations
Station
                  Wind Speed \ Gust
            Temp
                                                 cout.precision(1);
                                                 cout.setf(ios::fixed);
                                                 cout.setf(ios::showpoint);
                          8.0 \
           101.0
                                 9.2
KZO
            97.3
                         25.1 \ 30.3
ORD
                         33.2 \ 42.1
            80.1
RXE
                                setw(4)
          setw(6)
                     setw(10)
              2 spaces
```

Tic Tac Toe

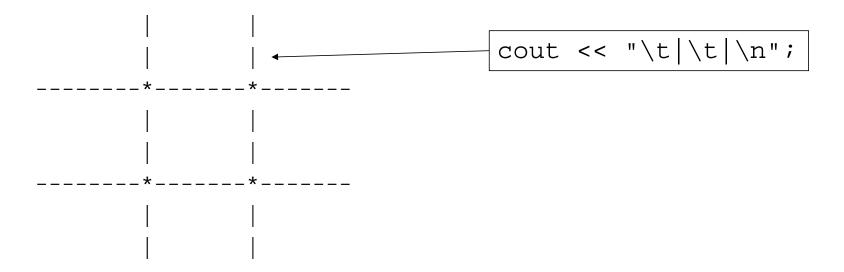
Write code to display the following Tic Tac Toe board using tabs.





Tic Tac Toe

Write code to display the following Tic Tac Toe board using tabs.



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Looking Forward

- Before Class on Friday
 - 1.2 Prepare
 - Read Chapter 1.2 Input & Variables
 - Submit assign12
 - 02 Ponder Output table completed and formatted correctly
- Saturday End of Day
 - 02 Ponder Monthly Budget Due at 11:59pm

