

The screenshot shows a C++ IDE with the following components:

- Projects Panel:** Lists various project files including 'CPPTemplate', 'Gaddis\_9Ed\_Chap2\_Prob20\_HowMuchPaint', 'Gaddis\_9thEd\_Chap2\_Prob06\_AnnualPay', 'Header Files', 'Resource Files', 'Source Files', 'Test Files', and 'Important Files'.
- Source Editor:** Displays the code for 'annualpay.cpp'. The code includes a multi-line comment describing the program's purpose, system and user libraries, global constants, function prototypes, and the main function. The main function initializes variables, calculates the annual pay, and displays the results using `cout`.
- Navigator:** Shows the file structure with 'main(int argc, char\*\* argv)' selected.
- Output Window:** Displays the program's output, which matches the `cout` statements in the code. The output is: 'To calculate the employee's annual pay.', 'We must multiply the employee's biweekly wage which is \$2200, by the amount of pay periods per year, which is 26.', 'So, when we multiply \$2200 by 26.', and 'The calculation gives us \$57200 annual pay.'.

```
1  /*
2  File: annualpay.cpp
3  Author: Kevin Morris
4  Created on June 24, 2022, 4:38 PM
5  * Purpose: Suppose an employee gets paid every two weeks and earns $2,200
6  * each pay period.
7  * In a year, the employee gets paid 26 times. Write a program that defines the
8  * following variables:
9  * payAmount, payPeriods, annualPay.
10 * The program should calculate the employee's total annual pay
11 * by multiplying the employee's pay amount by the number of pay periods in a year
12 * and store the result in the annualPay variable.
13 * Display the total annual pay on the screen.
14 */
15 //System Libraries
16 #include<iostream>
17 using namespace std;
18 //User Libraries
19 //Global Constants
20 //Mathematical/Physics/Conversions, Higher dimensioned arrays
21 //Function Prototypes
22 //Execution Begins Here
23 int main(int argc, char**argv) {
24 // Initialize the Random Number Seed
25 //Declare Variables
26 float payAmount, payPeriods, annualPay;
27 payAmount=2200; //Amount of pay the employee earns each pay period.
28 payPeriods=26; //Total number of pay periods per year.
29 //Initialize Variables
30 annualPay=2200*26; //Calculated Annual Pay.
31 //Map inputs to outputs-> The Process
32 //Display Results
33 cout <<"To calculate the employee's annual pay."<<endl;
34 cout <<"We must multiply the employee's biweekly wage which is $2200,"<<endl;
35 cout <<"by the amount of pay periods per year, which is 26."<<endl;
36 cout <<"So, when we multiply $2200 by 26. "<<endl;
37 cout <<"The calculation gives us $"<<(annualPay);
38 cout <<" annual pay.";
39 //Exit stage right
40 return 0;
41 }
```

Output - Gaddis\_9thEd\_Chap2\_Prob06\_AnnualPay (Run) X

```
>>
To calculate the employee's annual pay.
We must multiply the employee's biweekly wage which is $2200,
by the amount of pay periods per year, which is 26.
So, when we multiply $2200 by 26.
The calculation gives us $57200 annual pay.
RUN SUCCESSFUL (total time: 703ms)
```