Pair Programming 1 Turn In

Name: \_\_\_\_\_\_\_\_\_\_\_Matthew Krahel\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Username: \_\_\_\_\_\_C1010B11\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Partner name: \_\_\_\_\_\_\_\_\_ Blake Hodges \_\_\_\_\_\_\_\_\_\_\_\_ Partner username: \_\_\_\_\_C1010B06\_\_\_\_\_\_\_\_\_

\_X\_\_ I certify that my partner did work with me on these pair programming activities. Comment if needed here:

SCORE: \_\_\_\_\_\_\_\_\_\_\_\_ (to be filled in by instructor)

1a (5 points)

/\*

\*File: pp1a.cpp

\*Author: Blake Hodges, Matthew Krahel

\*This program gets two integers from the user then adds, subtracts, multiplies and divides them and displays the results

\*/

#include <iostream>

int main()

{

int number1; // 1st and 2nd integers to divide

int number2;

int sum; //sum of number1 and number2

int difference; //difference of number1 and number2

int product; //product of number1 and number2

int quotient; //quotient of number1 and number2

//Get numbers from user

std::cout << "Enter first number: ";

std::cin >> number1;

std::cout << "Enter second number: ";

std::cin >> number2;

//apply calculations of numbers and print the results

sum = number1 + number2;

difference = number1 - number2;

product = number1 \* number2;

quotient = number1 / number2;

//Display Results

std::cout << "Sum: "<<sum<<std::endl;

std::cout << "Difference: "<<difference<<std::endl;

std::cout << "Product: "<<product<<std::endl;

std::cout << "Quotient: "<<quotient<<std::endl;

return (0);

}

Text

Description automatically generated

Doubles

/\*

\*File: pp1a.cpp

\*Author: Blake Hodges, Matthew Krahel

\*This program gets two integers from the user then adds, subtracts, multiplies and divides them and displays the results

\*/

#include <iostream>

int main()

{

double number1; // 1st and 2nd integers to divide

double number2;

double sum; //sum of number1 and number2

double difference; //difference of number1 and number2

double product; //product of number1 and number2

double quotient; //quotient of number1 and number2

//Get numbers from user

std::cout << "Enter first number: ";

std::cin >> number1;

std::cout << "Enter second number: ";

std::cin >> number2;

//apply calculations of numbers and print the results

sum = number1 + number2;

difference = number1 - number2;

product = number1 \* number2;

quotient = number1 / number2;

//Display Results

std::cout << "Sum: "<<sum<<std::endl;

std::cout << "Difference: "<<difference<<std::endl;

std::cout << "Product: "<<product<<std::endl;

std::cout << "Quotient: "<<quotient<<std::endl;

return (0);

}

Text

Description automatically generated

Crash

Graphical user interface, text

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1b (5 points)

**[PASTE CODE FOR PAIR PROGRAMMING 1B HERE – NOT A SCREEN SHOT. DOWNLOAD pp1b.cpp, OPEN IT WITH A TEXT EDITOR LIKE NOTEPAD++ OR WORDPAD, COPY THE CODE, PASTE IT HERE. MAKE SURE IT IS SINGLE SPACED AND USE A COURIER NEW FONT]**

**[PASTE THE SCREEN SHOT OF THE TESTS WITH A WHITE BACKGROUND FOR PAIR PROGRAMMIG 1B HERE]**

/\*

\*File: pp1b.cpp

\*Author: Blake Hodges, MAtthew Krahel

\*This program gets mass in Kg and acceleration m/s^2 from the user, then calculates force in Newtons

\*/

#include <iostream>

int main()

{

double mass; // Mass in Kg

double accel; // Acceleration in m/s^2

double force; //product of mass and acceleration

//Get numbers from user

std::cout << "Enter Mass in Kg: ";

std::cin >> mass;

std::cout << "Enter Acceleration in m/s^2: ";

std::cin >> accel;

//multiply variables and print the product

force = mass \* accel;

std::cout << "Force : "<<force<< “ Newtons”<<std::endl;

return (0);

}

**Text

Description automatically generated**