**Pseudo Code Assignment**

**Joe Beach**

* **Employee Income**
  + **List**
    - Ask for how much they work each day.
    - Ask for how many days they worked this month.
    - Ask what their hourly wage is.
    - Multiply these values to get their monthly income.
    - Display the result.
  + **Flow Diagram**

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* + **Pseudocode**
    - Start
      * Input “How many hours per day do you work?”
      * hoursPerDay = input
      * input “how many days did you work this month?”
      * workDaysPerMonth = input
      * input “what is your hourly wage?”
      * wagePerHour = input
      * dollarsPerMonth= wagePerHour \* hoursPerDay \* workDaysPerMonth
      * print dollarsPerMonth
    - End
  + **C# Code**

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* **Class Pass or Fail**
  + **List**
    - Ask for their grades on their assignments. (e.g. 3 assignments)
    - Average the assignments.
    - Compare the result to 70 (a passing grade)
    - Display the result.
  + **Flow Diagram**

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* + **Pseudocode**
    - Start
      * Input “What was your grade on Assignment 1”
      * grade1 = input
      * Input “What was your grade on Assignment 2”
      * grade2 = input
      * Input “What was your grade on Assignment 3”
      * grade3 = input
      * gradeAverage = (grade1 + grade2 +grade3) / 3
      * if gradeAverage >= 70
        + Print “Congratulations, you passed”
      * Else
        + Print “Oops, you failed.”
    - End
  + **C# Code**

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* **Multiply Two Values**
  + **List**
    - Ask for one number.
    - Ask for another number.
    - Multiply the two numbers together.
    - If one of the numbers is zero, display a message.
    - Display the result.
  + **Flow Diagram**

**Diagram

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* + **Pseudocode**
    - Start
      * Input “Give me any number except for zero”
      * mult1 = input
      * Input “Give any number to multiply it with except for zero.”
      * mult2 = input
      * if mult1 or mult2 are equal to zero
        + Print “One of your numbers was zero, therefore the answer is zero”
      * Else
        + multAnswer = mult1 \* mult2
        + Print multAnswer
    - End
  + **C# Code**

Text

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* **Divide Two Values**
  + **List**
    - Ask for one number.
    - Ask for another number.
    - Divide the two numbers together.
    - If the second number is zero, display a message.
    - Display the result.
  + **Flow Diagram**

**Diagram

Description automatically generated**

* + **Pseudocode**
    - Start
      * Input “Give me any number”
      * div1 = input
      * Input “Give any number to divide it with except for zero.”
      * div2 = input
      * if div2 is equal to zero
        + Print “Your second number was zero. I cannot divide by zero”
      * Else
        + divAnswer = div1 / div22
        + Print divAnswer
    - End
  + **C# Code**

Text

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* **Compare Two Values**
  + **List**
    - Ask for one number.
    - Ask for another number.
    - If the second number is greater than the first display a message.
    - If the second number is equal to the first display a message.
    - If the second number is less than the first display a message.
  + **Flow Diagram**

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* + **Pseudocode**
    - Start
      * Input “Give me any number”
      * compare1 = input
      * Input “Give any number to compare it to.”
      * compare2 = input
      * if compare2 > compare1
        + Print “compare 2 is greater than compare1”
      * Else if compare2 = compare1
        + Print “compare 2 is equal to compare1.”
      * Else
        + Print “compare 2 is less than compare1”
    - End
  + **C# Code**

**Text

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* **Even or Odd**
  + **List**
    - Ask for an integer.
    - Divide that integer by modulo 2.
    - If the result is 1, the integer is odd.
    - If the result is 0, the integer is even.
    - Print the result.
  + **Flow Diagram**

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* + **Pseudocode**
    - Start
      * Input “Give me any integer”
      * number1 = input
      * evenOrOdd = number1 % 2
      * if evenOrOdd = 1
        + Print “number1 is an odd number”
      * Else
        + Print “number1 is an even number.”
    - End
  + **C# Code**

Text

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