***1. calculate the monthly wage of an employee***

1. gather data (hourly wage, hours worked, employee name)

2. hourly wage \* hours worked in a month = monthly income

3. print employee name made monthly income

start

define variable hourlyWage

define variable monthlyHours

define variable monthlyWage

read hourlyWage

read monthlyHours

monthlyWage = hourlyWage \* monthlyHours

print monthlyWage

output stonkz

end

Input: Hourly Wage = X

Declare: Monthly Wage = Z

Input: Hours Worked In A Month = Y

X \* Y = Z

Output: Monthly Wage

***2. Calculate if a student passes or fail a course.***

1. Input name of student.
2. Input the current grade of the student between 1-100.
3. Check to see if their grade is higher than 80.
4. If their grade is higher than 80, they pass.
5. If their grade is lower than 80, they fail.
6. Tell the user “Student name” has passed/failed.

Start

Define Student Name

Define Current Grade of Student

Define Pass/Fail cut off

Read Student Name

Read Current Grade of Student

If Cu[[[[[[[[[[[rrent Grade >= Pass/Fail cut off

Print – Pass

Else

Print – Fail

Input: Student Name

Input: Student’s Grade

Input: Pass/Fail Cutoff

Yes

No

Student’s Grade is Higher than Cutoff

Output: No Stonkz for you

Output: You get stonkz

***3. Multiplication of two values, but if any value is 0, send a message that the result is 0.***

1. Ask user for two separate values.
2. If any of the values entered are 0, immediate say “The result is going to be 0. No stonkz for you.”
3. If both values are not 0, multiply the input values together.
4. Output the answer in a print command “\_\_\_ is the answer. You get a lot of stocks

Start

Define num1

Define num2

Read num1

Read num2

If num1 or num2 == 0

Output “The result is going to be 0. No stonkz for you.”

Else

Output num1 \* num2

End

Was num1 or num2 defined as 0?

Input: num1

Input: num2

Output: “The result is going to be 0. No stonkz for you.”

num1 \* num2

No

Yes

Output: “\_\_\_ is the answer. You get a lot of stocks

1. ***Division but if second value is 0 then send message that you can’t divide by 0 or the result is infinite***
2. Ask user for two separate values.
3. If any of the values entered are 0, say “The result is going to be infinite. Too many stonkz for you.”
4. If both values are not 0, divide the input values together.
5. Output the answer in a print command “\_\_\_ is the answer. You get some stonkz

Start

Define num1

Define num2

Read num1

Read num2

If num1 or num2 == 0

Output “The result is going to be infinite. Too many stonkz for you.”

Else

Output num1 / num2

End

Was num1 or num2 defined as 0?

Input: num1

Input: num2

Output: “The result is going to be infinite. Too many stonkz for you.”

num1 / num2

No

Yes

Output: “\_\_\_ is the answer. You get some stonkz

1. ***Compare two values and return the biggest value.***
2. Have the user input two values.
3. Compare the two values each other.
4. Have the program output the larger of the two numbers.

Start

Define num1

Define num2

If num1 > num2

Print num1

Else

Print num2

End

Is num 1 > num 2?

Input: num1

Input: num2

Output: num1

Output:num2

No

Yes

1. ***Determine if a number is odd or even***
2. Have the user input two numbers into our variables.
3. Take the user input number and use the modulus function to divide the number by 2.
4. If there is a remainder, then the number must be odd.
5. If there is not a remainder, then the number must be even.
6. If the number is odd, output “the number is odd.”
7. If the number is even, output “the number is even.”

Start

Define num1

Use the Modulus function to divide num1 by 2.

If the output of the function is 0

Print “the number is even”

Else

Print “the number is odd”

End