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CS500 – Module 1

2024-05-17

# Module 1

## Part 1

### Pseudo Code

#### Prompt User for Number 1, echo back

#### Prompt User for Number 2, echo back

#### Sum = Number 1 + Number 2

#### Difference = Number 1 – Number 2

#### Print out Sum

#### Print out Difference

### Python Code

#Get num1 value from the user

num1 = int(input('Enter the value for num1: '))

print('You entered a value of',num1,'for num1')

print()

#Get num2 value from the user

num2 = int(input('Enter the value for num2: '))

print('You entered a value of',num2,'for num2')

print()

#Add num1 and num2 together and update the user

sum = num1 + num2

print('The sum of num1 and num2 is',sum)

print()

#Add num1 and num2 together and update the user

difference = num1 - num2

print('The difference between num1 and num2 is',difference)

print()

### Screenshot

A screen shot of a computer

Description automatically generated

## Part 2

### Pseudo Code

#### Prompt User for Number 1, echo back

#### Prompt User for Number 2, echo back

#### Check if Number is 0, if it is tell user Number 2 cannot be 0 and exit

#### Product = Number 1 \* Number 2

#### Quotient = Number 1 / Number 2

#### Print out Product

#### Print out Quotient

### Python Code

#Get num1 value from the user

num1 = int(input('Enter the value for num1: '))

print('You entered a value of',num1,'for num1.')

print()

#Get num2 value from the user

num2 = int(input('Enter the value for num2: '))

if num2 == 0:

print('num2 cannot be 0, the program will exit.')

print()

exit()

else:

print('You entered a value of',num2,'for num2.')

print()

#Multiple num1 and num2 together and update the user

product = num1 \* num2

print('The product of num1 and num2 is',product)

print()

#Divide num1 by num2 and update the user

quotient = num1 / num2

print('The quotient of num1 and num2 is',quotient)

print()

### Screenshot

A screen shot of a computer

Description automatically generated