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# Math Calculator  
#Includes Python facts as well  
  
  
def main():  
 for x in range(2):  
  
  
 print("0.Creator "," Program Info", sep= '&')  
 print("Welcome to ", end= '')  
 print("Project Zeus")  
 print("1. Add")  
 print("2. Subtract")  
 print("3. Multiply")  
 print("4. Divide")  
 print("5. Exponents")  
 print("6. Guessing game")  
 print("7. Python Q and A")  
 print("8. Python game")  
  
 x = int(input("Enter a number: "))  
  
 while x < 0 or x > 8 :  
 print("Choose a number between 0 and 8")  
 x = int(input("Enter a number: "))  
  
  
 print("-------------------------------"\*6) # creates a border after you pick a number  
  
 if x == 1:  
  
 a = int(input("enter first number."))  
 b = int(input("enter second number."))  
 a+=b # adding the two numbers you input  
 print("Sum: ", a)  
  
 elif x == 0:  
  
 my\_function("Adrian")  
  
 elif x == 2:  
  
 a = int(input("enter first number."))  
 b = int(input("enter second number."))  
 subtract = a - b # subtracting the two numbers you input  
 print("Subtract: ", subtract)  
  
 elif x == 3:  
  
 a = int(input("enter first number."))  
 b = int(input("enter second number."))  
 Multiply = a \* b # multiplying the two numbers you input  
 print("Multiply: ", Multiply)  
  
 elif x == 4:  
  
 a = int(input("enter first number."))  
 b = int(input("enter second number."))  
 Divide = a / b # diving the two numbers you input  
 print("Divide: ", Divide)  
  
 elif x == 5:  
  
 a = int(input("enter first number."))  
 b = int(input("enter exponent."))  
 Exponent = a \*\* b # making b the exponent of the first number then solving the equation  
 print("Exponent:", Exponent)  
  
 elif x== 6:  
  
 computer\_num = 3  
 a = int(input("Enter between 1 - 5"))  
 if computer\_num != a:  
 if computer\_num > a:  
 print("Your number is less than computer")  
 else:  
 print(not computer\_num)  
  
 elif x== 7:  
  
 correct = 1  
 false = 0  
 a = int(input("Is this program writen in python? Enter 1 for True or 0 for False: "))  
 b = int(input("Did Guido van Rossum create Python? Enter 1 for True or 0 for False: "))  
 if a == correct and b == correct:  
 print("You won Python Q and A!")  
 else:  
 print("NOPE!")  
  
 elif x==8:  
  
 a = int(input("Was Python created in 1991? Enter 1 for True or 0 for False: "))  
 x = ["1991"]  
 print("1991" in x)  
  
  
def my\_function(name = ""):  
 print(name + " Fernandez") # (+) string operator is adding Fernandez to Adrian  
 print("This program works as a calculator to solve any basic equation")  
  
main()