|  |  |
| --- | --- |
|  | def add(x, y): |
|  | return x + y |
|  |  |
|  | # This function subtracts two numbers |
|  | def subtract(x, y): |
|  | return x - y |
|  |  |
|  | # This function multiplies two numbers |
|  | def multiply(x, y): |
|  | return x \* y |
|  |  |
|  | # This function divides two numbers |
|  | def divide(x, y): |
|  | return x / y |
|  |  |
|  |  |
|  | print("Select operation.") |
|  | print("1.Add") |
|  | print("2.Subtract") |
|  | print("3.Multiply") |
|  | print("4.Divide") |
|  |  |
|  | while True: |
|  | # take input from the user |
|  | choice = input("Enter choice(1/2/3/4): ") |
|  |  |
|  | # check if choice is one of the four options |
|  | if choice in ('1', '2', '3', '4'): |
|  | num1 = int(input("Enter first number: ")) |
|  | num2 = int(input("Enter second number: ")) |
|  |  |
|  | if choice == '1': |
|  | print(num1, "+", num2, "=", add(num1, num2)) |
|  |  |
|  | elif choice == '2': |
|  | print(num1, "-", num2, "=", subtract(num1, num2)) |
|  |  |
|  | elif choice == '3': |
|  | print(num1, "\*", num2, "=", multiply(num1, num2)) |
|  |  |
|  | elif choice == '4': |
|  | print(num1, "/", num2, "=", divide(num1, num2)) |
|  |  |
|  | # check if user wants another calculation |
|  | # break the while loop if answer is no |
|  | next\_calculation = input("Let's do next calculation? (yes/no): ") |
|  | if next\_calculation == "no": |
|  | break |
|  |  |
|  | else: |
|  | print("Invalid Input") |