Project Title : CALCULATOR
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- The objective of calculator is to perform automated calculation.

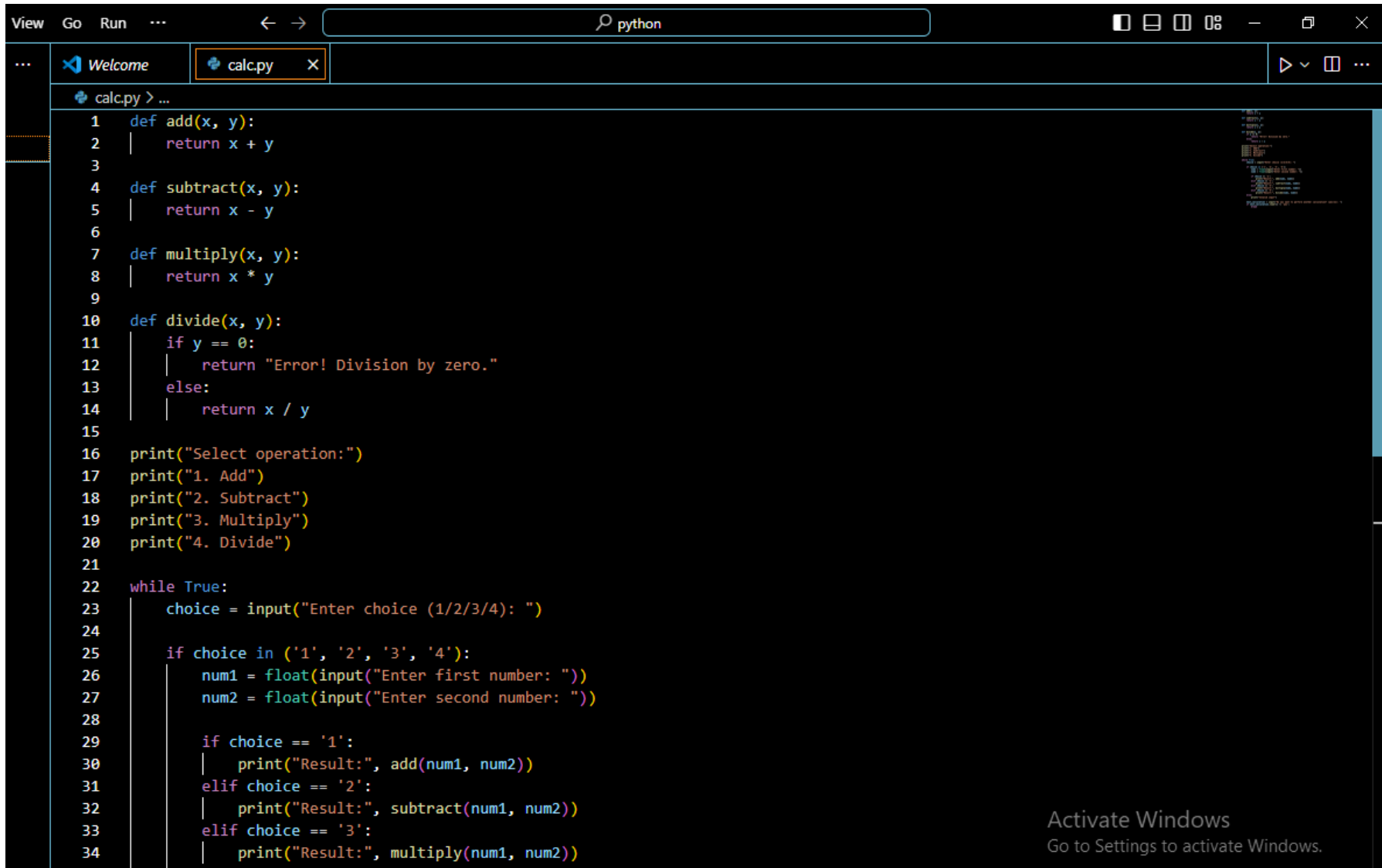- Encourage exploration and experimentation with Python for building simple applications..

- It is a CALCULATOR project using Python programming language.
- Prints correct answers using arithmetic operators(+,-,*,/) at the end of code.
- **Tools:** Python..
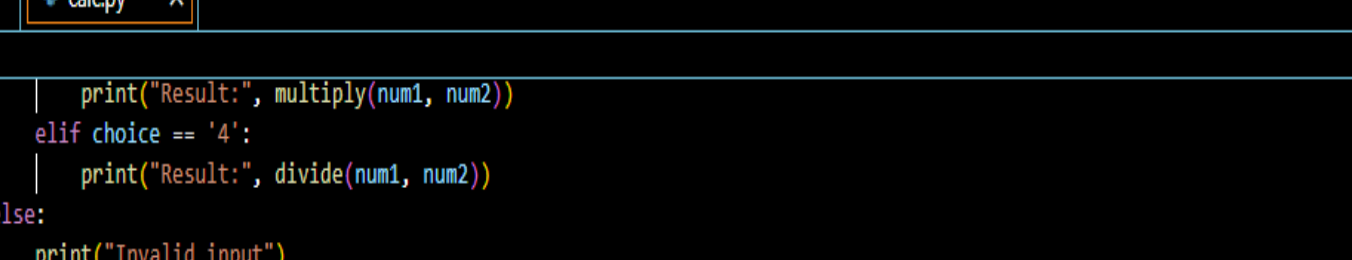
Methodology, Approach & Techniques

- The methodology involves ensuring code reliability and functionality through automated testing..

- Displaying informative error messages to guide users in correcting their inputs.

- Identifying the functional and non-functional requirements of the calculator application.

Algorithm

- Input
- Validation
- Calculation
- Error Handling
- Output
- Repeat Or Exit

Result

The result of running the **CALCULATOR** function would be to do the arithmetic calculations. .

Source Code (screenshots)

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```python
def add(x, y):
    return x + y

def subtract(x, y):
    return x - y

def multiply(x, y):
    return x * y

def divide(x, y):
    if y == 0:
        return "Error! Division by zero."
    else:
        return x / y

print("Select operation:")
print("1. Add")
print("2. Subtract")
print("3. Multiply")
print("4. Divide")

while True:
    choice = input("Enter choice (1/2/3/4): ")

    if choice in ('1', '2', '3', '4'):
        num1 = float(input("Enter first number: "))
        num2 = float(input("Enter second number: "))

        if choice == '1':
            print("Result:", add(num1, num2))
        elif choice == '2':
            print("Result:", subtract(num1, num2))
        elif choice == '3':
            print("Result:", multiply(num1, num2))
```

Activate Windows
Go to Settings to activate Windows.

Conclusion

- The Python **Calculator** project not only showcases our proficiency in Python programming but also serves as a testament to our commitment to delivering practical solutions that cater to user needs. It stands as a testament to the endless possibilities offered by Python in software development and inspires further exploration and innovation in this exciting field.

Reference

- GeeksForGeeks
- Javapoint

The End