

# PERSONAL FINANCE CALCULATOR

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**Details of Project:** I'm implementing this project by using Python Programming Language.

**Code:**

```
personal_fin... x Save Run
1  def cal():
2      while True:
3          s = float(input("Enter the first number: "))
4          d = input("Enter the operation (+, -, *, /): ")
5          p = float(input("Enter the second number: "))
6          if d == '+':
7              result = s + p
8          elif d == '-':
9              result = s - p
10         elif d == '*':
11             result = s * p
12         elif d == '/':
13             if p != 0:
14                 result = s / p
15             else:
16                 print("syntex error")
17                 continue
18         else:
19             print("math error")
20             continue
21         print(f"Result: {s} {d} {p} = {result}")
22         c = input("Do you want to continue? (y/n): ")
23         if c != 'y':
24             break
25     cal()
```

## Input and Output:

```
Output Clear
Enter the first number: 5
Enter the operation (+, -, *, /): +
Enter the second number: 6
Result: 5.0 + 6.0 = 11.0
Do you want to continue? (y/n): y
Enter the first number: 11
Enter the operation (+, -, *, /): -
Enter the second number: 89.56
Result: 11.0 - 89.56 = -78.56
Do you want to continue? (y/n): y
Enter the first number: 89
Enter the operation (+, -, *, /): *
Enter the second number: 5
Result: 89.0 * 5.0 = 445.0
Do you want to continue? (y/n): y
Enter the first number: 98
Enter the operation (+, -, *, /): /
Enter the second number: 6
Result: 98.0 / 6.0 = 16.333333333333332
Do you want to continue? (y/n): n

=== Code Execution Successful ===
```

## Explanation:

In this Program I have implemented personal finance calculator which is nothing but to perform Addition, Division ,multiplication & subtraction, in which I have taken it as an input 's' as first number and d as operations to perform (+, -, \*, /) and s as second number and then the if statement is implemented if "+" operation is given addition is performed between s&, if "-" operation is given subtraction is performed between s&p, if "\*" operation is given multiplication is performed between s&p and if "/" Division operation is performed where if p is not equal to zero then continue if p is equal to Zero then we will print syntex error if above all cases are failed then we will print math error and we will we will continue by printing the output and we gives a input of (y/n) where "y" is to go back to the while loop or if "n" is given then the program ends and we will then from user and displayed the output .

## Conclusion:

Finally I have got the desired output of

Enter the first number: S

Enter the operation (+, -, \*, /): +

Enter the second number: P

Result: S + P= result

Do you want to continue? (y/n): n