

PERSONAL FINANCE CALCULATOR

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DETAILS OF PROJECT: I am implementing this project by using python programming language

CODE:

```
main.py  [ ] [ ] Save Run
1 while (1):
2     a=float(input("Enter the first number:"))
3     op=input("Enter the operation(+,-,*,/):" )
4     b=float(input("Enter the second number:"))
5     if '+'==op:
6         print("Result : {} {} {} =".format(a,op,b),float(a+b))
7     elif '-'==op:
8         print("Result : {} {} {} =".format(a,op,b),float(a-b))
9     elif '*'==op:
10        print("Result : {} {} {} =".format(a,op,b),a*b)
11    elif '/'==op:
12        print("Result : {} {} {} = ".format(a,op,b),end="")
13        C="%0.15f"%(a/b)
14        print(C)
15    else:
16        print("invalid case")
17    c=input("Do you want to continue(y/n):")
18    if c == 'n':
19        break
20    -1 ÷ 5 = -0.2
```

```
20 elif c=='y':  
21     print()  
22 else:  
23     break  
24
```

INPUT & OUTPUT:

Output

```
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 By the personal finance calculator

This python code is an infinite loop implementing a basic calculator

It starts an infinite loop with while (1): to keep the program running continuously. I'm taking two inputs and one operation

To prevent enter the 1st number and 2nd second number is converted into a float. If statements are assign in arithmetic operations (+,-,*,/).it calculates the result on the display. If the second number is zero. If the second number is division by zero is not allowed. It display an error.after showing the result,if you want to continue (y/n):

The user inputs "n" ,the loop breaks ending the program.

The user input "y",the loop continue.for any other input, the loop breaks.

CONCLUSION:

Finally I have got the desired output of the personal finance calculator.