

PERSONAL FINANCE CALCULATOR

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Submitted by: Arulraju Srividya bearing rollnumber of 23KQ5A0206

Details of project: I am implementing this project by using Python Programming Language.

Code:

```
while(1):
    n1=float(input("Enter the first number: "))
    ope=input("Enter the operation(+,-,*,/):")
    n2=float(input("Enter the second number: "))
    if ope == "+":
        add = n1+n2
        print("Result:",n1,"+", n2, "=", add)
    elif ope == "-":
        sub = n1-n2
        print("Result:",n1,"-", n2, "=", sub)
    elif ope == "*":
        mul = n1*n2
        print("Result:",n1, "*",n2, "=", mul)
    elif ope == "/":
        if n2!=0:
            div = n1/n2
            print("Result:",n1,"/", n2,"=", div)
        else:
            print("The number cannot be divide with zero")
    else:
        print("Invalid operation")
    choice=input("Do you want to continue?(y/n):")
    if choice == 'y':
        continue
    else:
        break
```

Input and 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
```

Explanation:

In this Program I have implemented the project of Personal Finance Calculator which is nothing but Arithmetic Operation between two numbers.

The three inputs are collected from the user. I implemented this program by using infinite while loop and inside the loop I can implement three input statement i.e are n1(number1),ope(operation),n2(number2).After this I implemented the if-elif statement to check arithmetic operation. The first if block contains statement of addition that perform the operation of addition ,then the user gives the input operation as '+' that can be comes to if statement block and it prints output as the sum of n1 and n2. The user gives the input operation

as '-' that can be goes to first elif block contains statements of sub and it performs the operation of subtraction and it can prints the output of subtraction of n1 and n2. The user gives the input operation as '*' that can be goes to second elif block and that contain statement of mul and it performs the operation of multiplication and it prints the output of multiplication of n1 and n2. The user gives the operation input as '/' and it can be goes to third elif block and this elif block contain if-else conditional statement that is if block contain statements of n2!=0 and it perform the operation of division and it print output as division of n1 and n2, the else block contain the statement of number cannot be divide with zero. The else block contains output and it print as invalid operation.

For choice i.e asking the user to continue or not the user gives y(yes) the loop can be repeted and the user can give n(no) the loop can break and it comes to outside of the loop.

The output of the program is the arithmetic operation between two numbers.

Conclusion:

Finally I have got the desired output of Arithmetic operation such as addition, subtraction, multiplication, division between two number that values are given by user.