

CALCULATOR

```
In [1]: def add(x,y):
        return x+y

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

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

        def div(x,y):
            if y==0:
                return ("ERROR")
            else:
                return x/y

        def validation(input):
            try:
                return float(input)
            except ValueError:
                return None

        def calculator():
            for i in range(10):
                n1=float(input("\n ENTER A NUMBER"))
                n2=float(input(" ENTER A NUMBER"))

                print("\n---OPERATIONS---")
                print("1- ADDITION")
                print("2- SUBTRACTION")
                print("3- MULTIPLICATION")
                print("4- DIVISION")
                print("5- EXIT")

                a=int(input("ENTER YOUR CHOICE"))

                if a==1:
                    print('RESULT',add(n1,n2))
```

```
elif a==2:
    print('RESULT', sub(n1,n2))

elif a==3:
    print('RESULT',mul(n1,n2))

elif a==4:
    print('RESULT',div(n1,n2))

elif a==5:
    print("EXITED!!")
    break

else:
    print("INVALIDE NUMBER")

w = input("\n Do you want to perform another operation? (yes/no): ")
if w == 'no':
    print("EXITING...")
    break

if __name__ == "__main__":
    calculator()

print("THANK YOU")
```

ENTER A NUMBER 75

ENTER A NUMBER 26

---OPERATIONS---

1- ADDITION

2- SUBTRACTION

3- MULTIPLICATION

4- DIVISION

5- EXIT

ENTER YOUR CHOICE 1

RESULT 101.0

Do you want to perform another operation? (yes/no): yes

```
ENTER A NUMBER 93
ENTER A NUMBER 42
```

```
---OPERATIONS---
```

```
1- ADDITION
2- SUBTRACTION
3- MULTIPLICATION
4- DIVISION
5- EXIT
ENTER YOUR CHOICE 2
RESULT 51.0
```

```
Do you want to perform another operation? (yes/no): yes
```

```
ENTER A NUMBER 18
ENTER A NUMBER 2
```

```
---OPERATIONS---
```

```
1- ADDITION
2- SUBTRACTION
3- MULTIPLICATION
4- DIVISION
5- EXIT
ENTER YOUR CHOICE 3
RESULT 36.0
```

```
Do you want to perform another operation? (yes/no): yes
```

```
ENTER A NUMBER 20
ENTER A NUMBER 2
```

```
---OPERATIONS---
```

```
1- ADDITION
2- SUBTRACTION
3- MULTIPLICATION
4- DIVISION
5- EXIT
ENTER YOUR CHOICE 4
RESULT 10.0
```

```
Do you want to perform another operation? (yes/no): yes
```

```
ENTER A NUMBER 20
ENTER A NUMBER 0
```

```
---OPERATIONS---
1- ADDITION
2- SUBTRACTION
3- MULTIPLICATION
4- DIVISION
5- EXIT
ENTER YOUR CHOICE 4
RESULT ERROR
```

```
Do you want to perform another operation? (yes/no): yes
```

```
ENTER A NUMBER 74
ENTER A NUMBER 27
```

```
---OPERATIONS---
1- ADDITION
2- SUBTRACTION
3- MULTIPLICATION
4- DIVISION
5- EXIT
ENTER YOUR CHOICE 5
EXITED!!
THANK YOU
```