**SIMPLE CALCULATOR BY USING FUNCTION**

**PROGRAM:**

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):

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'):

try:

num1 = float(input("Enter first number: "))

num2 = float(input("Enter second number: "))

except ValueError:

print("Invalid input. Please enter a number.")

continue

if choice == '1':

print(num1, "+", num2, "=", add(num1, num2))

elif choice == '2':

print(num1, "-", num2, "=", subtract(num1, num2))

elif choice == '3':

print(num1, "\*", num2, "=", multiply(num1, num2))

elif choice == '4':

print(num1, "/", num2, "=", divide(num1, num2))

next\_calculation = input("Let's do next calculation? (yes/no): ")

if next\_calculation == "no":

break

else:

print("Invalid Input")

**FLOW CHART:**

Start

Stop

Menu

+:

Addition

-

Subtraction

:

Multiplication

\*:

/: Division

E: Exit

Input Choice

If o/p=‘E’

Switch

)

o/p

(

C=a+b

Print Sum

C=a

-

b

C=a\*b

C=a/b

Print Diff

Print Multi

Print Div

Input a,b

Yes

No