```python
# Basic Calculator in Python

# Take inputs
num1 = float(input("Enter first number: "))
num2 = float(input("Enter second number: "))
op = input("Choose operation (+ - * /): ")

# Perform calculation
if op == "+":
    print("Result:", num1 + num2)
elif op == "-":
    print("Result:", num1 - num2)
elif op == "*":
    print("Result:", num1 * num2)
elif op == "/":
    if num2 == 0:
        print("Error: Cannot divide by zero!")
    else:
        print("Result:", num1 / num2)
else:
    print("Invalid operation selected!")
```

```python
def add(a, b):
    return a + b

def subtract(a, b):
    return a - b

def multiply(a, b):
    return a * b

def divide(a, b):
    if b == 0:
        return "Error: Division by zero!"
    return a / b

print("Basic Calculator")
a = float(input("Enter first number: "))
b = float(input("Enter second number: "))
op = input("Enter operation (+, -, *, /): ")

if op == "+":
    print("Result:", add(a, b))
elif op == "-":
    print("Result:", subtract(a, b))
elif op == "*":
    print("Result:", multiply(a, b))
elif op == "/":
    print("Result:", divide(a, b))
else:
    print("Invalid operator!")
```

```
while True:
    print("\n--- Basic Calculator ---")

    a = float(input("Enter first number: "))
    b = float(input("Enter second number: "))
    op = input("Operation (+, -, *, /) or x to
exit: ")

    if op.lower() == "x":
        print("Exiting calculator...")
        break

    if op == "+":
        print("Result:", a + b)
    elif op == "-":
        print("Result:", a - b)
    elif op == "*":
        print("Result:", a * b)
    elif op == "/":
        if b == 0:
            print("Error: Cannot divide by zero!")
        else:
            print("Result:", a / b)
    else:
        print("Invalid operator!")
```