

## # CALCULATOR PROJECT BY NAIDU BHARGAVI

### # Function Definitions

```
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):  
    if y == 0:  
        return "❌ Cannot divide by zero!"  
    return x / y
```

### # Menu Display

```
def show_menu():  
    print("\n===== CALCULATOR - NAIDU BHARGAVI =====")  
    print("1. ➕ Add")  
    print("2. ➖ Subtract")  
    print("3. ✖ Multiply")  
    print("4. ÷ Divide")  
    print("5. 🚪 Exit")
```

### # Main Program Loop

```
while True:  
    show_menu()  
    choice = input("Choose operation (1-5): ")
```

```
if choice in ['1', '2', '3', '4']:
```

```
    try:
```

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

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

```
    except ValueError:
```

```
        print("⚠ Please enter valid numbers.")
```

```
        continue
```

```
if choice == '1':
```

```
    result = add(num1, num2)
```

```
    print(f"✅ Result: {result}")
```

```
elif choice == '2':
```

```
    result = subtract(num1, num2)
```

```
    print(f"✅ Result: {result}")
```

```
elif choice == '3':
```

```
    result = multiply(num1, num2)
```

```
    print(f"✅ Result: {result}")
```

```
elif choice == '4':
```

```
    result = divide(num1, num2)
```

```
    print(f"✅ Result: {result}")
```

```
elif choice == '5':
```

```
    print("👋 Goodbye Naidu Bhargavi! Keep calculating smartly!")
```

```
    break
```

```
else:
```

```
    print("⚠ Invalid choice. Please select from 1-5.")
```