```
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("Simple Calculator")
print("1. Add\n2. Subtract\n3. Multiply\n4. Divide")

choice = int(input("Enter choice (1-4): "))
x = float(input("Enter first number: "))
y = float(input("Enter second number: "))

if choice == 1:
    print("Result:", add(x, y))
elif choice == 2:
    print("Result:", subtract(x, y))
elif choice == 3:
    print("Result:", multiply(x, y))
elif choice == 4:
    print("Result:", divide(x, y))
else:
    print("Invalid Choice")
```

```
# Simple Data-Driven Test Script Demo

# Test data (username, password, expected result)
test_data = [
    {"username": "user1", "password": "pass1", "expected": "Login Successful"},
    {"username": "user1", "password": "wrong", "expected": "Invalid Credentials"},
    {"username": "wrong", "password": "pass1", "expected": "Invalid Credentials"},
    {"username": "", "password": "", "expected": "Username/Password required"}
]

# Function to simulate login
def login(username, password):
    # Hardcoded valid login
    if username == "user1" and password == "pass1":
        return "Login Successful"
    elif username == "" or password == "":
        return "Username/Password required"
    else:
        return "Invalid Credentials"

# Running tests with multiple data
for data in test_data:
    result = login(data["username"], data["password"])

    if result == data["expected"]:
        print(f"PASS for {data}")
    else:
        print(f"FAIL for {data} | Got: {result}")
```