

Hour 4: Basic Programs & Practice (Python)

Basic Programs Practice

```
# 1. Calculator
num1 = float(input("Enter first number: "))
num2 = float(input("Enter second number: "))
operation = input("Enter operation (+, -, *, /): ")

if operation == "+":
    result = num1 + num2
elif operation == "-":
    result = num1 - num2
elif operation == "*":
    result = num1 * num2
elif operation == "/":
    result = num1 / num2

print(f"Result: {result}")

# 2. Shopping List Manager
shopping_list = []
while True:
    item = input("Add item (or 'done' to finish): ")
    if item.lower() == 'done':
        break
    shopping_list.append(item)

print("Your shopping list:")
for i, item in enumerate(shopping_list, 1):
    print(f"{i}. {item}")
```