Algorithms and Flowchart Assignment

Question 1

Algorithm:

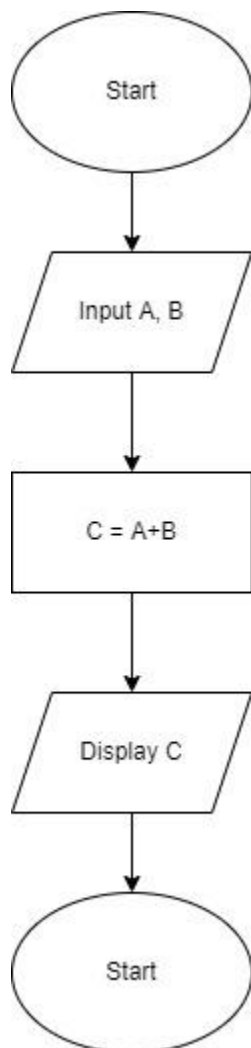Step 1: Start
Step 2: Input numbers A & B
Step 3: Add A, B and store in C
Step 4: Print C
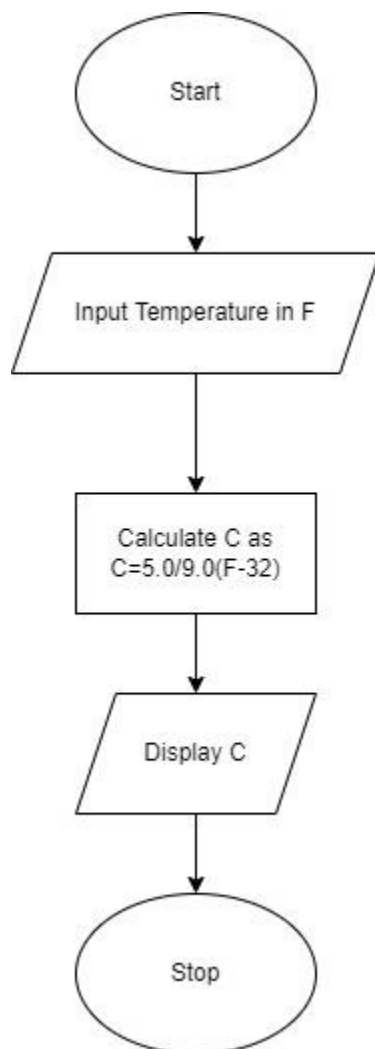Step 5: Stop

Flow Chart:

Question 2

Step 1: Start
Step 2: Input the temperature in Fahrenheit(F)
Step 3: Calculate Celsius(C) = 5.0/9.0(F-32)
Step 4: Display C
Step 5: Stop

Flow Chart:

```
        ┌─────────┐
        │  Start  │
        └────┬────┘
             │
             ▼
    ╱───────────────────────╲
    │  Input Temperature in F │
    ╲───────────────────────╱
             │
             ▼
       ┌──────────────┐
       │ Calculate C as│
       │ C=5.0/9.0(F-32)│
       └──────┬───────┘
              │
              ▼
      ╱─────────────╲
      │  Display C   │
      ╲─────────────╱
              │
              ▼
        ┌─────────┐
        │  Stop   │
        └─────────┘
```

Question 3

Algorithm:
Step 1: Start
Step 2: Input numbers NUM1, NUM2
Step 3: Check if NUM1 < NUM2
Step 4: If yes, print "Smallest is NUM1"
Step 5: Else print NUM2
Step 6: Stop

Flow Chart:

Start

Input NUM1, NUM2

If
NUM1<NUM2

NO

Yes

Display
"Smallest is NUM1"

Display NUM2

Stop