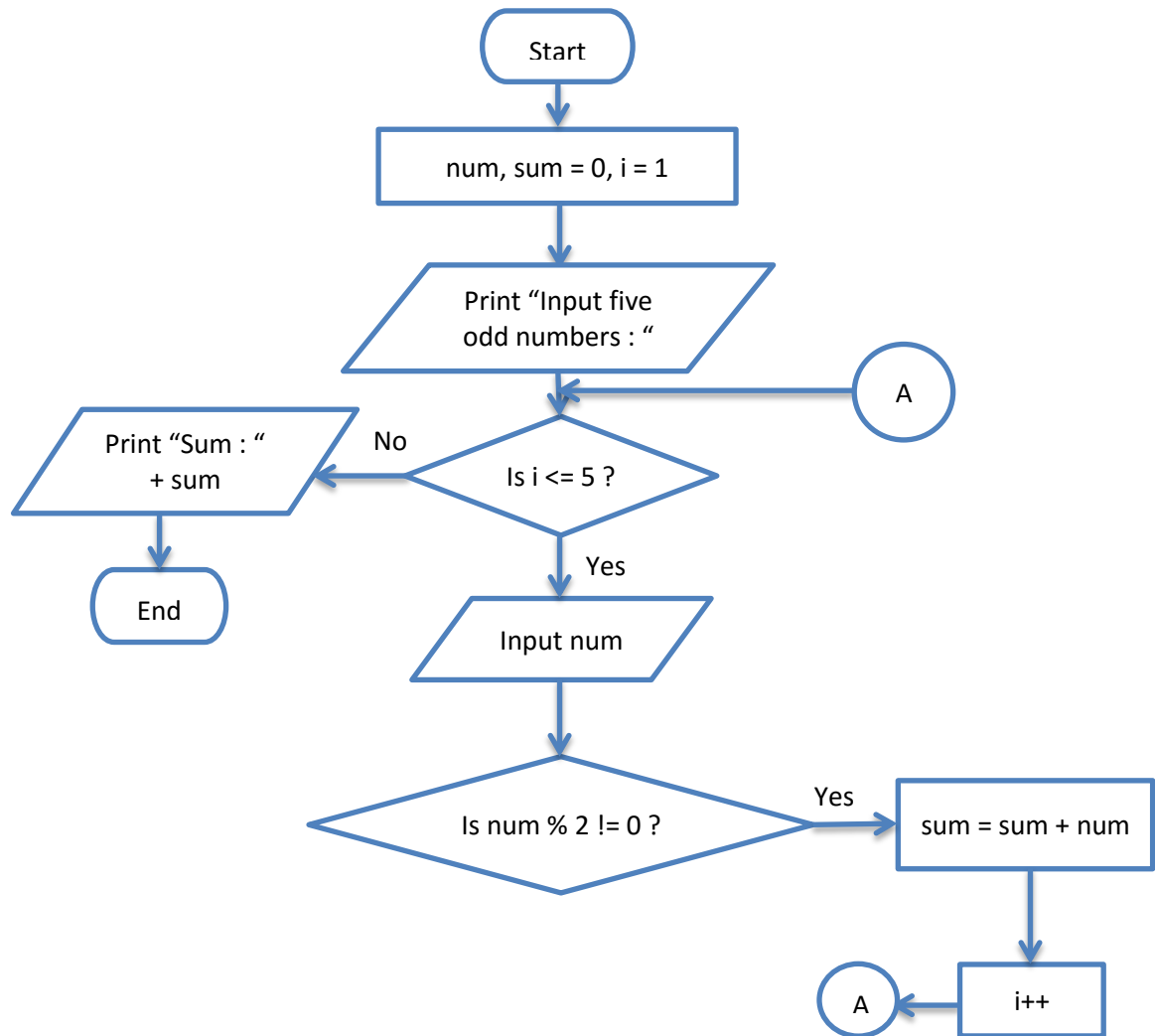Dimailig, Noel M.
BSIT-2F1

Activity 3. Problem-Solving (Written/Typed)
Direction: Draw the flowchart of your algorithm from Activity 1 (Scenario 2 & 3 only). You could search and use draw.io over the
internet or illustrate it using any of your resources. Use the box provided. See rubric for this activity.

Scenario 2: Answer Sheet (Flowchart)

```
                            ( Start )
                                │
                                ▼
                  ┌──────────────────────────┐
                  │   num, sum = 0, i = 1     │
                  └──────────────────────────┘
                                │
                                ▼
                    ╱─────────────────────╲
                   ╱   Print "Input five    ╲
                  ╱    odd numbers : "        ╲
                  ╲                          ╱
                    ╲─────────────────────╱
                                │                        ( A )
                                ▼◄───────────────────────────┘
                          ◇─────────────◇
      ┌────────────────  No    Is i <= 5 ?
      │ Print "Sum : "        ◇─────────────◇
      │    + sum                     │
      └────────────────             Yes
            │                        ▼
            ▼               ╱─────────────────╲
        ( End )           ╱    Input num       ╲
                          ╲─────────────────────╱
                                    │
                                    ▼
                          ◇────────────────────◇      Yes   ┌──────────────────────┐
                          Is num % 2 != 0 ?  ────────────►  │  sum = sum + num     │
                          ◇────────────────────◇            └──────────────────────┘
                                                                        │
                                                                        ▼
                                                      ( A )◄──────  ┌─────────┐
                                                                    │  i++    │
                                                                    └─────────┘
```

Scenario 3: Answer Sheet (Flowchart)

```
                    ┌──────────────┐
                    │    Start     │
                    └──────┬───────┘
                           │
                           ▼
                ┌─────────────────┐      ┌──────────────┐      ╱────────────────────╲      ╱────────╲
                │    n,           │      │   string[]   │     ╱ Print "How many words ╲    ╱  Read    ╲
                │   count = 0,    │─────▶│    words     │───▶ ╲ do you want to enter : "╱──▶╲    n     ╱
                │   letter = 4,   │      └──────────────┘      ╲────────────────────╱      ╲────────╱
                │    i = 0        │                                                              │
                └─────────────────┘                                                             ▼
```

Print "How many words do you want to enter : "

Read n

words = new string[n]

Print "Enter words : "

Is i < words.Length?

Yes

Read words[i]

No

Is words[i].Length == letter ?

Print "Number of entered four letter words : " + count

End

Yes

count++

i++