Date:

PSEUDOCODE PROBLEMS

Q1.
START
INPUT a, b, c
IF a > b, a > c THEN
PRINT 'a is the maximum number'

Q1.
1. START
2. INPUT a, b, c
3. IF a > b, a > c THEN
   PRINT 'a is the maximum number'
4. IF b > a, b > c THEN
   PRINT 'b is the maximum number'
5. IF c > b, c > a THEN
   PRINT 'c is the maximum number'
6. END

2.
1. START
2. INPUT No_of_hours
3. IF No_of_hours ≤ 1 THEN
   SET Total_Fee = No_of_hours * 5
4. ELSE
   SET Total_Fee = 5 + 3 * (No_of_hours - 1)
5. OUTPUT 'Total_Fee'
6. END

Q3
```
1. START
2. SET total_cost = 0
3. INPUT no_of_items
4. REPEAT UNTIL all no_of_items are taken
       INPUT item_cost
       SET total_cost = total_cost + item_cost
5. IF total_cost > 100 THEN
       SET total_cost = total_cost * 0.9
6. ELSE
       SET total_cost = total_cost
7. PRINT 'total_cost'
8. END
```

Q4
```
1. START
2. INPUT number
3. IF number % 2 == 0 THEN
       PRINT 'The number is even'
4. ELSE
       PRINT 'The number is odd'
5. END
```

Algorithms Problems

Q1.
1. Ask the user to enter ~~attendance~~ total classes.
2. Ask the user to enter attended classes
3. Set Percentage ~~as~~ to $\frac{\text{attended classes} \times 100}{\text{total classes}}$
4. If Percentage is less than 75 THEN
5. Display "Warning: Attendance below 75%"
6. Else
7. Display "Attendance is satisfactory"

~~END~~

Q2.
1. Ask the user to enter hours worked
2. Ask the user to enter hourly wage
3. Set Grosspay to hours worked x hourly wage
4. Display Grosspay

Q3.
1. Ask the user to enter ~~num1~~ n1
2. Ask the user to enter ~~num2~~ n2
3. Ask the user to enter operation
4. If operation is '+' THEN
5. Set sum = n1 + n2
6. Print sum
7. else if operation is '-' THEN
8. Set sub = n1 - n2
9. Print sub
10. else if operation is 'x' THEN
11. SET PRODUCT = n1 x n2
12. PRINT PRODUCT
13. else if operation is '÷' THEN
14. SET DIVIDE = n1 / n2
15. PRINT DIVIDE
16. else if operation is '%' THEN
17. SET Remainde = n1 % n2
18. PRINT Remainder

Q4.
1. Ask the user to enter bill_amount
2. Ask the user to enter tip
3. ~~If~~ Set tip to 0
4. If customer wants to add a tip THEN
5. SET billamount * x0.15 + billamount
6. PRINT ~~PRINT~~ total_bill_amount

Q5.
1. Ask the user to enter score
2. If ~~score is~~ 90 ≤ score ≤ 100 THEN
3. PRINT Grade A
4. ELSE IF 80 ≤ score ≤ 89 THEN
5. PRINT Grade B
6. ELSE IF 70 ≤ score ≤ 79 THEN
7. PRINT Grade C
8. ELSE
9. PRINT 'unGraded'