Date

PSEUDOCODE PROBLEMS:

Q:1

1. START
2. INPUT num1, num2, num3.
3. IF num1 > num2 and num1 > num3 THEN
   DISPLAY num1.
4. IF num2 > num1 and num2 > num3 THEN
   DISPLAY num2
5. IF num3 > num1 and num3 > num2 THEN
   DISPLAY num3.
6. END.

Q:2

1. START
2. INPUT time of entry (T) and time of exist. (E)
3. Calculate Parked time == E - T
4. Convert parked time in hour == $\left\lceil \frac{\text{Calculated Parked time}}{60} \right\rceil$
5. SET total fee = 0.
6. IF Parked hours >= 1 THEN
   SET total fee += $5
7. IF Parked hour > 1 THEN
   SET total fee += (Parked hour - 1) x 3
8. DISPLAY total fee
9. END.

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Q:3

1. START
2. SET total = 0$
3. REPEAT UNTIL All inputs are take.
   INPUT Item and it's price x$
   SET total += x$
4. IF total > 100$ THEN
   SET total = total - total * 0.1
5. DISPLAY total
6. END.

Q:4

1. START
2. INPUT num
3. IF num ÷ 2 == x , x ∈ Whole numbers THEN
   DISPLAY "EVEN"
   ELSE
   DISPLAY "ODD"
   END.

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ALGORITM PROBLEMS

Q:1

1. INPUT total number of classes in a Semester (T)
2. INPUT total number of classes student attended (P)
3. Set Percantage of attendence to (P ÷ T) * 100
4. Check if percantage of attendance is equal to or greater than 75% Display a "Prizing Letter"
5. IF percantage of attendance is Lesser than 75%. then Display a "Warning Letter"

Q:2

note:- Gross pay = Pay rate * Hours worked

1. Ask the user Pay rate
2. Ask the user Hours worked
3. Set Gross pay to (Pay rate x Hours worked).
4. Display Gross pay to the user.

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Q:3

1. Ask the User num1.
2. Ask the User operators (+, -, x, /, %)
3. Ask the User second number num2
4. Check the operator user enter
* If he enters (+) then set Addition to (num1 + num2).
Display Addition to User.
* If he enters (-) then set Subtraction to (num1 - num2)
Display Subtraction to User.
* If he enters (x) then set multiplication to (num1 x num2)
Display multiplication to User.
* If he enters (/) then set division to (num1 / num2)
but if num2 is "0" than display "error" otherwise display division.
* If he enters (%) then don't ask for num2
Set Percentage to $\left(\frac{num1}{100}\right)$.
Display Percentage.

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Q:4

1. Ask the Uses for Dishes and Prices.
2. Collect all prices
3. Set total to (sum of all prices)
4. Ask the Uses that willing to give 15% of total as tip also.
5. If User ente. "no" then
   Display total to Uses.
6. if user enters "yess" then
   Set total to (total + 0.15 x total)
   Display total to Uses.

Q:5

GRADES CRITERIA

80 to 100 ⇒ A
50 to 79 ⇒ B
Below 50 ⇒ C.

1. Ask the user marks of Student.
2. Check the marks.

if marks are between or equal to 80 and 100.
   Display "A"
if marks are between or equal to 50 and 79.
   Display "B".
if marks are below 50
   Display "C"

Signature _____ No. _____