Input

Menu and take order from the customer

Process

Take order

Ask for add onn

No Yes

Write new order with add onns on the notebook

PRINT

ORDER

**Q2 PSEUDOCODE**

**2. Design a flowchart, Pseudocode, Algorithm for handling a customer's deposit transaction at bank, including checks for account validity and deposit amount conditions.**

Start

Input credit card details

Input 1000 rs

Check the account of the customer

IF have 1000 rs in account

Valid, so proceed

ELSE

Not valid , So deny transaction

Check if the 100 rs of the customer is valid,

Deposit the cash to the customer

ELSE

Deny the cash deposit

END.

**ALGORITHM**

**Step 1:** START

**Step 2:** Input the credit card details.

**Step 3:** Input 1000 rs.

**Step 4**: If 1000 rs amount entered by the customer is valid then goto step 6.

**Step 5:** Else not valid so deny transaction.

**Step 6:** Deposit the cash to the customer **.**

**Step 7:** End

**3. Design a flowchart, Pseudocode, Algorithm to determine which of three provided numbers is the greatest**.

PSEUDOCODE

Start

Input three numbers X Y and Z

If x>Y AND Y>Z then PRINT X

ELSE

Check if X<Y and Y>Z THEN print Y

Else

PRINT Z

END

**ALGORITHM**

**Step 1:** start

**Step 2:** Input three numbers X , Y and Z

**Step 3:** Check the largest of the three numbers

**Step 4:** Print the largest among these numbers

**Step 5:** If x is the largest then Print x

**Step 6**: If Y is the largest then print Y

**Step 7**: If z is the largest so print Z

Step 8 : END

**4. Implement an algorithm where the user enters a number, and an appropriate month is displayed**.

Step 1: Start

Step 2: Input numbers 1-12

Step 3: If user inputs 1 then print Jan

Step 4: If user inputs 2 then print Feb

Step 5: If user inputs 3 then print March

STEP6: If user inputs 4 then print April

Step 7: If user inputs 5 then print May

Step 8: If user inputs 6 then print June

Step 9: If user inputs 7 then print July

Step 10: If user inputs 8 then print August

Step 11: If user inputs 9 then print September

Step 12: If user inputs 10 then print October

Step 13: If user inputs 11 then print November

Step 14: If user inputs 12 then print December

STEP 15: End

5. Create pseudocode a small calculator which only does ‘+’ or ‘-‘Operations. (Hint: Take three variable inputs with one being used for the operator)

Start

Input number 1

Input operator

Input operator 2

If operator is equals too + then

Answer= num 1 + num 2

If operator is equals too - then

Answer= num1 – num 2

PRINT “ Answer”

End

**Q6 You are working at Toyota Indus Motors and want to assemble a car. Design a flowchart with proper process modules and decision structures to replicate a pipeline production.**

Quality check pass

Assemble engine fans battery and etc..

Painting

Input

Danting

NO YES

Rework and recheck

Install interior and electronics

Final quality check pass

NO YES

Delivery

7. **Implement an algorithm for making a simple calculator with all the operators (+ ,-,\*,/,%)**

1. Ask user to input num 1 and num 2

2. Ask user to input an operator +,-,\*,/,%

3. Ask user to input num2

4.If operator is equal to + then

5. Answer= Num1 + num2

6. If operator is equals to – then

7. Answer= Num 1 – Num 2

8. If operator is equals to \* then

9.Answer =Num1 \*Num 2

10. If operator is equals to / then

11.Answer= Num 1/Num2

12. If operator is equals to % then

13. Answer = Num1 / Num2 \*100

**9. Why we use .gitignore ?**

**Answer:**  We use .gitignore to ignore files that are unnecessary in a repository. It keeps the repository clean and just focus on the necessary files. It can even reduce the size of the repository by ignoring unnecessary files.

**10.** **Difference between Algorithm and Pseudocode?**

**Answer:** Algorithm is a set of instructions that describes a step by step procedure for solving a problem where as pseudocode is an representation of algorithm in programming language.

An algorithm is easier way of understanding as compared to pseudocode as it involves step by step solution and is very easy to understand but this does not happens in pseudocode as it involves programming language so it is difficult to understand.

Algorithm focuses on the solution to the problem with it’s logic while pseudocode just focuses on the representation.