Q1] FLOW CHART

INPUT ORDER

ASK FOR ADD-ON

ADD OTHER ITEMS

YES

NO

SERVE ORDER

PROCEED ORDER

SERVE BILL AND TA

TAKE REQUIRED AMOUNT

PSEUDO CODE

1. START
2. // INPUT/OUTPUT
3. INPUT ORDER
4. // CONDITIONAL STATEMENT
5. ASK FOR ADD-ON ITEMS
6. IF YES THEN WRITE DOWN MORE ITEMS
7. ELSE
8. PROCEED ORDER
9. // PROCESS STEPS
10. PREPARE ORDER
11. SERVE ORDER
12. GIVE THEM BILL AND TAKE REQUIRED AMOUNT
13. END

ALGORITHM

1: WRITE DOWN ORDER

2: GIVE THEM MORE SUGGESTIONS AND ASK FOR ANYTHING ELSE

3: ADD-ON OTHER ITEMS AND FINALIZE THE ORDER

4: PREPARE ORDER

5: SERVE ORDER

6: ASK FOR DRINKS

7: AFTER THAT GIVE THEM BILL AND TAKE REQUIRED AMOUNT

Q2] PSEUDO CODE

01 START

02 //INPUT/OUTPUT

03 INPUT ACCOUNT NUMBER AND PIN

04 INPUT AMOUNT WHICH TO WITHDRAW

05 // CONDITIONAL STATEMENT

06 IF PARTICULAR AMOUNT IS AVAILABLE

07 THEN PROCEED

08 ELSE

09 PRINT(“INSUFFICIENT BALANCE”)

09 /OUTPUT

10 SHOW REMAINING AMOUNT

11 PRINT WITHDRAWING AMOUNT RECEIPT

12 END

ALGORITHM

1: ASK USER TO INSERT ATM CARD

2: ASK USER TO ENTER ACCOUNT NUMBER

3: ASK USER TO ENTER PIN

4: IF GIVEN INFORMATION IS RIGHT THEN PROCEED FURTHER

5: OTHERWISE ASK USER TO ENTER DETAILS AGAIN

6: SHOW ACCOUNT ACCOUNT STAUTS

7: ASK USER TO ENTER WITHDRAWING AMOUNT

8: IF ACCOUNT BALANCE IS SUFFICIENT THEN PROCEED

9: OTHERWISE ASK TO ENTER SMALLER AMOUNT

10:GIVE OUT AMOUNT

11: PRINT RECEIPT

Q3] PSEUDO CODE

1. START
2. // INPUT/OUTPUT
3. INPUT N1
4. INPUT N2
5. INPUT N3
6. //CONDITIONAL STATEMENT
7. IF N1>N2 AND N1>N3
8. SET N1 AS GREATEST
9. ELSE IF N2>N1 AND N2>N3
10. SET N2 AS GREATEST
11. ELSE
12. SET N3 AS GREATEST
13. PRINT(“THE LARGEST NUMBER IS:”)
14. END

ALGORITHM

1: ASK USER TO ENTER NUMBER 1

2: ASK USER TO ENTER NUMBER 2

3: ASK USER TO ENTER NUMBER 3

4: IF N1 IS GREATER THAN N2 AND N3, SET N1 AS GREATEST NO

5: IF N2 IS GREATEST THAN N1 AND N3, SET N2 AS GREATEST NO

6: IF BOTH CONDITIONS ARE INCORRECT THEN SET N3 AS GREATEST NO

7: PRINT GREATEST NUMBER

Q4] ALGORITHM

1: WRITE DOWN ALL MONTHS NAME

2: ASSIGN EACH MONTH A NUMBER IN A ORDER

3: ASK USER TO ENTER A NO FROM 1 TO 12

4: NOW SHOW THAT PARTICULAR MONTH CALENDER

5: SHOW THE EVENTS WITH THEIR DATES

6: ASK USER TO MARK ANY DATE FOR SPECIFIC EVENT

PSEUDO CODE

01 START

02 //INPUT/OUTPUT

03 INPUT MONTHS AND ASSIGN THEM A NUMBER

04 MONTHS =(”JANUARY=1”,FEBURARY=2”,”MARCH=3”,”APRIL=4”,”MAY=5”,”JUNE=6”,”JULY=7”,”AUGUST=8”,”SEPTEMBER=9”,”OCTOBER=10”,”NOVEMBER=11”,”DECEMBER=12”)

05 ASK USER TO INPUT MONTH NO

06 PRINT (MONTH NO)

Q10]

|  |  |
| --- | --- |
| ALGORITHM | PSEUDO CODE |
| A sequence of steps to solve a given problem is called as algorithm | Pseudo code is an informal method of developing an algorithm |
| Each step is precisely defined. | It works as an intermediate step  between the problem statement and the final implementation. |
| It accomplishes the task using minimal resources. | It does not follow strict syntax rules. |
| It has definite end . | It uses common structure. |

Q5] PSEUDO CODE

01 START

02 //INPUT/OUTPUT

03 INPUT NO.1

04 INPUT NO.2

05 INPUT NO.3

06 DEFINE OPERATOR (+,-)

07 RESULT= NO.1+NO.2+NO.3

08 PRINT RESULT

09 END

ALGORITHM

1: ASK USER TO ENTER NO.1

2: ASK USER TO ENTER NO.2

3: ASK USER TO DEFINE THE OPERATOR (+ OR -)

4: CREATE A RESULT VARIABLE AND SET IT TO( NO.1+NO.2+NO.3 )

5: PRINT RESULT

Q7) PSEUDOCODE

01 START

02 //INPUT/OUTPUT

03 INPUT NO.1

04 INPUT NO.2

05 PRINT (“ADD:”,N1+N2)

06 PRINT (“SUBTRACT:”,N1-N2)

07 PRINT (“MULTIPLICATION:”,N1\*N2)

08 PRINT (“DIVIDE:”,N1/N2)

09 PRINT RESULT

10 END

ALGORITHM

1: ASK USER TO INPUT NO.1

2: ASK USER TO INPUT NO.2

3: ASK USER TO DEFINE PARTICULAR OPERATOR (+ OR – OR \* OR /)

4: PRINT STEP WISE SOLUTION OF THE OPERATION PERFORMED

Q9) *USE OF .gitignore:*

.gitignore is used in git repository to ignore the files which are unnecessary to project and this will ignored by the git once the changes have been committed.

Q6)

MATERIAL INSPECTION

IF MATERIAL AVAILABLE

NO

INPUT REQ MATERIAL

YES

REWORK

PAINT THE CAR

CHECK ALIGNMENT

ASSEMBLE BODY

ELSE CONTINUE PRODUCTION

NO

YES

INSTALL ENGINE

REPAINT

CHECK PAINT

NO

YES

NO

FIX ENGINE ISSUE

INTERIOR INSTALLATION

CHECK ENGINE PERFORMANCE

YES

SHIPMENT

FINAL TOUCH UP

READY FOR DELIVERY

ADJUST PROBLEMS

FINAL TESTING

EXTERIOR FITTINGS

FIX ISSUES

TEST SYSTEM

NO

YES

NO

YES