

**Date: 20/10/2022**

**FYBCA Sem-1**

**DMA (105) Journal**

# Q : 1 Create following worksheet and do the following operation in separate sheet.

Marks of students (USE OpenOffice ).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **SR.NO** | **NAME** | **CS** | **MATHS** | **IC** | **CPPM** | **DMA** |
| 1 | Alex | 56 | 77 | 44 | 65 | 70 |
| 2 | Bob | 33 | 55 | 67 | 78 | 48 |
| 3 | Stephen | 90 | 88 | 82 | 81 | 88 |
| 4 | Merry | 45 | 55 | 65 | 75 | 85 |
| 5 | John | 32 | 40 | 28 | 45 | 56 |
| 6 | Kelvin | 48 | 55 | 65 | 84 | 55 |
| 7 | Shelley | 32 | 12 | 45 | 88 | 44 |
| 8 | Deny | 78 | 68 | 61 | 69 | 79 |
| 9 | Connor | 45 | 88 | 66 | 88 | 73 |
| 10 | Adrian | 88 | 77 | 77 | 77 | 68 |

1. Calculate the total of each student.
2. Calculate percentage of each students
3. Find result : if marks in any subject is less than 35 then result = “Fail”, result = “Pass”
4. Calculate grade of each student where :
   * If marks in any subject is less than 35 then grade = “Fail”
   * If per >= 89.99 then grade = “Distinction”
   * If per < 89.99 and per >=71.99 then grade = “First Class”
   * If per < 71.99 and per >=51.99 then grade = “Second Class”
   * If per >=35 and per <=51.99 then grade = “Pass Class”
5. Create a 3d column chart for the column of name, CPPM, DMA.

# Q : 2 Create following tables using create statement and do the followings.

Worker(Worker\_Id, First\_Name, Last\_Name, Salary, Department)

* + 1. Insert 5 records using insert statement.
    2. Write a Query to fetch unique values of Department.
    3. Write a Query to print all worker details in ascending order of worker’s first names.
    4. Write a Query to print all worker details in ascending order of worker’s first names and descending order of department.
    5. Write a Query to print details of workers **excluding** first names, ‘Alex’ and ‘John’.
    6. Write a Query to print details of workers whose First\_Name ends with ‘n’ and contains six alphabets.
    7. Write a Query to count number of employees working in department ‘Admin’.
    8. Write a Query to count number of workers for each department in descending order.

# Q : 3 Create following tables using create statement and do the followings.

Employee(Emp\_Id, Emp\_Name, Department, Contact\_No, Email\_Id, Emp\_Head\_Id)

**Constraint:** Department should be like ‘E-101’ (Any 3 digit number) (Use Check Constraint)

* + 1. Insert 5 records using insert statement.
    2. Select the detail of the employee whose name start with ‘P’.
    3. Select the detail of employee whose Email\_Id is in Gmail. (Use Like Keyword)
    4. Select the details of the employee who work either for department ‘E-104’ or ‘E-102’.
    5. Select the name of the employee whose name’s 3rd character is ‘h’.
    6. Update the value of Department whose name is ‘Kavita’.
    7. Delete the column Emp\_Head\_Id.
    8. Add the column Emp\_Salary.

# Q : 4 Create following tables using create statement and do the followings.

Acc\_Master(Acc\_No, Cust\_Name, Address, Balance)

**Constraint:** Account number should be of 6 digit only (Use Check Constraint with like keyword)

* + 1. Insert 5 records using insert statement.
    2. Display customer name who deposited maximum amount in bank.
    3. Display customer name having minimum balance.
    4. Display the average balance of all customers. (Use AVG function)
    5. Display the total balance of all customers. (Use SUM function)
    6. Display the total number of account in bank. (Use COUNT function)
    7. Delete the record whose Acc\_No is 300001.
    8. Delete the table Acc\_Master.

**Q : 5 Create following tables using create statement and do the followings.**

Book-Master (book\_id, book\_name, author, no\_of\_copies, price)

(1) Insert 5 records using insert statement.

(2) Get author wise list of all books.

(3) Display all books whose price is between 500 & 800.

(4) Display all books with details whose Book name start with ‘D’.

(5) Display all books whose price is above 700.

(6) Display all books whose numbers of copies are less than 10

# Note: - Submission date will be declared later on.

* Journal Submission date: 18/11/2022 and no late submission will be accepted.
* Students are requested to write all the programs in a project paper.
* New question will be written from new page only.
* Students need to submit the same tables and queries as given in journal.
* Index is compulsory in the given format only.

**Prof. Akansha Srivastav & Prof. Tushar Bhadak**