Q1.) Write a menu driven program which does the following functions-:

i) Accepts data belonging to following class in an array of objects.

ii)Sorts the data in descending order of salary using bubble sort.

iii)Writes the sorted data into a binary file employee.dat.

Class Employee

{

int empno;

char ename[20];

float salary;

}

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Q2. )Write a menu driven program which does the following functions-:

1) Creates a file item.dat based on following class

2) Searches Items having value>1000 from the file 3)Displays all Records belonging to following class-:

class item (item no.,item name,qty,price)

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Q3) Write a menu driven program which does following functions-:

a) Create text file with content of your choice

b )Display the count of “are” in the file 3) Display the content of file.

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Q4) Write a menu driven program which does following functions-:

a) Create text file with content of your choice

b) Transfers words starting with upper case from this file to another file.

c) Display the original and transferred text file.

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Q5) Write a menu driven program which does following functions-:

a)Insert Records

b) Delete Records

c)Display Records in a static queue based on following class-:

class printqueue(int RequestNo, char Description[])

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Q6. ) Write a menu driven program which does following functions-:

a)Push Records b) Pop Records c)Display Records in a dynamic stack based on following structure-:

struct item(int itemNo, float price)

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Q7. Write a menu driven program which does following functions-:

a)Create binary file with records b) Modify marks of a particular rollno c)Display Records.

TABLE: Employee

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Empno | EName | Dept | Salary | DeptID |
| 110 | Rahul | Marketing | 40000 | 1 |
| 115 | Raghav | Finance | 50000 | 2 |
| 116 | Manan | Marketing | 52000 | 1 |
| 120 | Vaibhav | Finance | 48000 | 2 |
| 124 | Kritika | IT | 60000 | 3 |
| 126 | Gaurav | Marketing | 55000 | 1 |
| 127 | Ashish | IT | 70000 | 3 |

Table : Department

|  |  |  |
| --- | --- | --- |
| Dept Id | Dept Name | HOD |
| 1 | Marketing | Kushal Mehta |
| 2 | Finance | Girish Luthra |
| 3 | IT | Hiten Maheshwari |

1. Write command to display employees earning salary in the range 50000 to 70000.
2. Display Department wise Total Salary.
3. Increase the salary of Finance dept. employees by 2000.
4. Display Empno, Ename, Salary, Deptname, HOD of employees under Girish Luthra.
5. Display total number of employees department wise.

TABLE: Student

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Admno | Name | stream | Total Marks | TeacherID |
| 110 | Rahul | Science | 412 | 1 |
| 115 | Raghav | Commerce | 435 | 2 |
| 116 | Manan | Science | 404 | 1 |
| 120 | Vaibhav | Commerce | 300 | 2 |
| 124 | Kritika | Humanities | 267 | 3 |
| 126 | Gaurav | Science | 360 | 1 |
| 127 | Ashish | Humanities | 290 | 3 |

Table : Teacher

|  |  |  |
| --- | --- | --- |
| Teacher Id | Teacher Name | Subject |
| 1 | Kanika Sharma | Physics |
| 2 | Sapna Malhotra | Accounts |
| 3 | Meera Gupta | History |

1. Write command to insert record of your choice in the above table.
2. Display stream wise average marks.
3. Change the marks of admno 120 to 391.
4. Display Admno,Name,TotalMarks,Teacher Name being taught by Kanika Sharma.
5. Display total number of students stream wise .