



University of Central Punjab

Faculty of Information Technology

Lab Task 1

Write a program to take inputs the following attributes and write on a file (StudentInfo.csv)

- 1.RegistrationNumber
- 2.First Name
- 3.Last Name
- 4.Program
- 5.CGPA
- 6.ContactNumber

StudentInfo file should be like below:

```

1 Registration Number , F i r s t Name, L a s t Name, Program , CGPA, ContactNumber
2 L1f11BSCS0001 , Sadia , Khan , BSCS , 3 . 27 , 03321234123
3 L1f11BSCS0021 , Shanya , Khan , BSCS , 3 . 77 , 03321234213
4 L1f11BSCS0031 , Goree , Khan , BSCS , 3 . 57 , 03321234143
5 L1f11BSCS0041 , Jemayma , Khan , BSCS , 3 . 85 , 03321234223
6 L1f11BSCS0022 , Samandar , Khan , BSCS , 3 . 97 , 03321234542
7 L1f11BSCS0025 , Reham , Khan , BSCS , 2 . 47 , 03321234213
  
```

Lab Task 2

Write a program that displays the name of students whose CGPA is 3.5 or above.

Lab Task 3

We have some files (department.csv and employee.csv). Write a function that displays those employees who are working in **Research** department.

department.csv

```

1 DeptID , DeptName
2 1 , Research
3 2 , S a l e s
4 3 , Marketing
5 4 , Adminstration
6 5 , Quality Control
  
```

and employee file (**employee.csv**)

```

1 empId , EmpName, EmpJoiningDate , DeptId , Contact , Salary , M a r i t a l   Status
2 001 , Imran , 15/07/2012 , 1 , 03331222567 , 78000 , Married
3 002 , Saleem , 15/07/2012 , 1 , 03331233567 , 160000 , Married
4 003 , Aziz , 15/10/2011 , 1 , 03331234557 , 74000 , Married
  
```

```
5 004 , Jem Morison , 15/08/2012 , 5 , 03331244567 , 78000 , Married
6 005 , Junaid , 15/07/2013 , 3 , 03331234568 , 79000 , Married
7 006 , Jamshed , 15/01/2013 , 4 , 03001234568 , 45000 , Single
8 007 , Asim , 01/01/2011 , 1 , 03211234568 , 69000 , Single
9 008 , Javeria , 02/07/2010 , 2 , 03003001234 , 145000 , Single
10 009 , Zara , 02/01/2011 , 4 , 03010234568 , 79000 , Single
```

Lab Task 4

Write a function that display those employee **name** and **salary** from employee (**employee.csv**) file, who earn 1500000 or greater on a year.

Lab Task 5

Using above **employee.csv** file perform the following operations:

- 1.Find the Name of The Person who is getting highest salary.
- 2.display the name whose salary is lowest.
- 3.Print the total number of employees whose married.
- 4.Print the name of employees who are single.
- 5.Print the Average salary of all employees.
- 6.Print the name of Employees Whose Salary is greater than â ĀĪImranĀĪ.
- 7.Print the name of Employees Whose Salary is less than â ĀĪAzizĀĪ.
- 8.Search and display the information of **Omer**.