



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 RegistrationNumber, First Name, Last 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, Sales
4 3, Marketing
5 4, Administration
6 5, Quality Control
```

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

```
1 empId, EmpName, EmpJoiningDate, DeptId, Contact, Salary, Marital 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 1500000.
7. Print the name of Employees Whose Salary is less than 1500000.
8. Search and display the information of **Omer**.