**Q1: Following is the application enhancement requirement in already deployed application.**

**package** com.vips.edu.emp;

**public** **class** EmployeeService {

**private** String employees[] = {"101001011","102001022","103002011","104003080","105002020","106002080"};

/\*

\* Note : employee codes are designed in following way:

\* a) first 3 digits are employee code

\* b) next 3 digits are related to their department id.

\* c) and last 3 digits are the city code of their work location

\* for example

\* 011 : Delhi

\* 022 : Mumbai

\* 080 : Banglore

\* 020 : Pune

\* \*/

**public** String[] getEmployeeCodes()

{

String codes[] = **new** String[employees.length];

**int** count = -1;

**for** (String empid : employees) {

codes[++count] = empid.substring(0, 3);

}

**return** codes;

}

}//end employee service class

**package** com.vips.edu.emp;

**public** **class** MainExecution {

**public** **static** **void** main(String[] args) {

EmployeeService service = **new** EmployeeService();

String codes[] = service.getEmployeeCodes();

**for** (String empid : codes) {

System.***out***.println(empid);

}

}//end main

}//end class

Perform the following operation

// Question 1

//Following is the new requirement from Client

// Print employee id with their respective job location

// for example

// 101 : Delhi

// 102 : Mumbai

// and so on

Q2 :

**package** com.vips.edu;

**public** **class** EmailFilters {

String emails[] = {

"ramesh@gmail.com",

"rakesh@outlook.com",

"lokesh@linkedin.com",

"mahesh@gmail.com",

"ganesh@gmail.com",

"rajesh@outlook.com"

};

**public** **static** **void** main(String[] args) {

/\*

\* Write the code to count the number of users in particular domain

\* for example

\* gmail has 3 users

\* outlook has 2 users

\* linkedin has 1 user

\*

\* HINT : use endsWith() of String class

\* \*/

}

}