# Assignment 2

Task 1- Create a class name as “Trainer” which will have 4 fields name, department , email, id. Trainer can teach Selenium, DevOps, Web Development.

Note- use method, constructor

Trainer details are

Trainer 1 – “Mukesh” ,”Testing”,[mukesh@gmail.com](mailto:mukesh@gmail.com), 1

Trainer 2 – “Hitesh” ,”Dev”,[mukesh@gmail.com](mailto:mukesh@gmail.com), 2

Trainer 1 – “Mukesh” ,”DevOps”,[mukesh@gmail.com](mailto:mukesh@gmail.com), 3

Trainer 1 can teach Selenium, Trainer 2 can teach Web Development, Trainer 3 can teach DevOps.

**package** assignment2;

**public** **class** Trainer {

String name;

String department;

String email;

**int** id;

**public** Trainer(String TrainerName,String TrainerDepartment, String TrainerEmail, **int** TrainerId) {

name = TrainerName;

department = TrainerDepartment;

email = TrainerEmail;

id = TrainerId;

}

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

Trainer t1 = **new** Trainer("Mukesh","Testing","mukesh@gmail.com",1);

Trainer t2 = **new** Trainer("Hitesh","Dev","hitesh@gmail.com",2);

Trainer t3 = **new** Trainer("Ramesh","DevOps","ramesh@gmail.com",3);

t1.displayInformation();

t2.displayInformation();

t3.displayInformation();

}

**public** **void** displayInformation() {

System.***out***.println(name +", "+department +", "+email+", "+id);

System.***out***.println(name +" can teach "+ department);

}

}

Task 2- Extension of task 1 – Store all trainer information in Array.

**package** assignment2;

**public** **class** Trainer2 {

String name;

String department;

String email;

**int** id;

**public** Trainer2(String TrainerName,String TrainerDepartment, String TrainerEmail, **int** TrainerId) {

name = TrainerName;

department = TrainerDepartment;

email = TrainerEmail;

id = TrainerId;

}

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

Trainer2 t1 = **new** Trainer2("Mukesh","Testing","mukesh@gmail.com",1);

Trainer2 t2 = **new** Trainer2("Hitesh","Dev","hitesh@gmail.com",2);

Trainer2 t3 = **new** Trainer2("Ramesh","DevOps","ramesh@gmail.com",3);

Trainer2 [] obj1 = {t1,t2,t3};

System.***out***.println(obj1.length);

obj1[0].displayInformation();

obj1[1].displayInformation();

obj1[2].displayInformation();

}

**public** **void** displayInformation() {

System.***out***.println(name +", "+department +", "+email+", "+id);

}

}

Task 3 – Create a program which will store students information and print the output.

Program should ask how many students information you want to store. For each students it should ask name, email, phone, address, status

Once all entries are done, program should ask which user information you want to fetch and should print the same.

Note- Use scanner class for dynamic students

Graphical user interface, text, application, email

Description automatically generated

**package** assignment2;

**import** java.util.Scanner;

**public** **class** Students {

String name;

String email;

**long** phone;

String address;

String status;

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

Students s1 = **new** Students();

s1.storeInformation();

}

**public** **void** storeInformation() {

System.***out***.println("PLease enter number of students.");

Scanner sc = **new** Scanner(System.***in***);

**int** numOfStudent = sc.nextInt();

Students[] stu = **new** Students[numOfStudent];

**for**(**int** i=0;i<numOfStudent;i++) {

stu[i] = **new** Students();

System.***out***.println("PLease enter name");

stu[i].name = sc.next();

System.***out***.println("PLease enter email");

stu[i].email = sc.next();

System.***out***.println("PLease enter Phone");

stu[i].phone = sc.nextLong();

System.***out***.println("PLease enter Address");

stu[i].address = sc.next();

System.***out***.println("PLease enter Status");

stu[i].status = sc.next();

}

System.***out***.println("Please enter which student details you are looking for:");

**int** studentNumber = sc.nextInt();

System.***out***.println(stu[studentNumber].name);

System.***out***.println(stu[studentNumber].email);

System.***out***.println(stu[studentNumber].phone);

System.***out***.println(stu[studentNumber].address);

System.***out***.println(stu[studentNumber].status);

sc.close();

}

}