# 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** task2;

**public** **class** trainer {

String empName,department,email;

**int** empID;

**public** trainer(String eName,String eDepart,String empEmail,**int** eID)

{

empName = eName;

department=eDepart;

email=empEmail;

empID=eID;

}

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

// **TODO** Auto-generated method stub

trainer tr1=**new** trainer("Mukesh","Testing","mukesh@gmail.com",1);

trainer tr2=**new** trainer("Hitesh","Dev","mukesh@gmail.com",2);

trainer tr3=**new** trainer("Murukesh","DevOps","mukesh@gmail.com",3);

tr1.displayinformation();

System.***out***.println("Trainer 1 can teach Selenium");

tr2.displayinformation();

System.***out***.println("Trainer 2 can teach Web Development");

tr3.displayinformation();

System.***out***.println("Trainer 3 can teach DevOps");

}

**public** **void** displayinformation() {

System.***out***.println("EmpName is "+empName);

System.***out***.println("Department is "+department);

System.***out***.println("EmailID is "+email);

System.***out***.println("EmpID is "+empID);

}

}

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

**package** task2;

**public** **class** trainer\_array {

String empName,department,email;

**int** empID;

**public** trainer\_array(String eName,String eDepart,String empEmail,**int** eID)

{

empName = eName;

department=eDepart;

email=empEmail;

empID=eID;

}

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

// **TODO** Auto-generated method stub

trainer\_array[] tr1= **new** trainer\_array[3];

tr1[0] = **new** trainer\_array("Mukesh","Testing","mukesh@gmail.com",1);

tr1[0].displayinformation();

System.***out***.println("Trainer 1 can teach Selenium");

tr1[1] = **new** trainer\_array("Murukesh","Dev","mukesh@gmail.com",2);

tr1[1].displayinformation();

System.***out***.println("Trainer 2 can teach Web Development");

tr1[2] = **new** trainer\_array("Hitesh","DevOps","mukesh@gmail.com",3);

tr1[2].displayinformation();

System.***out***.println("Trainer 3 can teach DevOps");

}

**public** **void** displayinformation() {

System.***out***.println("EmpName is "+empName);

System.***out***.println("Department is "+department);

System.***out***.println("EmailID is "+email);

System.***out***.println("EmpID is "+empID);

}

}

**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** task2;

**import** java.util.Scanner;

**public** **class** studentscanner {

String studName,studEmail,studAdd;

**public** studentscanner(String sName,String sEmail,String eAdd) {

studName=sName;

studEmail=sEmail;

studAdd=eAdd;

}

**public** **void** displayinformation() {

System.***out***.println("StudentName is "+studName);

System.***out***.println("StudentEmailID is "+studEmail);

System.***out***.println("StudentAddress is "+studAdd);

}

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

// **TODO** Auto-generated method stub

**int** num1=0;

**int** num2=0;

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

System.***out***.println("Please enter number of student");

num1=sc.nextInt();

studentscanner[] studscan= **new** studentscanner[num1];

**int** i;

String name;

String emailid,address;

**for**(i=0;i<num1;i++)

{

System.***out***.println("Please enter name of the student");

name=sc.next();

System.***out***.println("Please enter emailid of the student");

emailid=sc.next();

System.***out***.println("Please enter address of the student");

address=sc.next();

studscan[i]=**new** studentscanner(name,emailid,address);

}

System.***out***.println("Enter which student details are looking for");

num2=sc.nextInt();

**for**(i=0;i<num1;i++)

{

**if**(num2==i) {

studscan[i].displayinformation();

}

}

}

}

**OUTPUT**

Please enter number of student

2

Please enter name of the student

sree

Please enter emailid of the student

sree@

Please enter address of the student

mumbai

Please enter name of the student

binu

Please enter emailid of the student

kerLA

Please enter address of the student

CDSF

Enter which student details are looking for

1

StudentName is binu

StudentEmailID is kerLA

StudentAddress is CDSF