

## Task 1 & 2 using Method

```
package Asgn2;

public class TrainerA {

    int id;
    String name;
    String Dept;
    String Email;

    public int getId() {
        return id;
    }
    public void setId(int id) {
        this.id = id;
    }
    public String getName() {
        return name;
    }
    public void setName(String name) {
        this.name = name;
    }
    public String getDept() {
        return Dept;
    }
    public void setDept(String dept) {
        Dept = dept;
    }
    public String getEmail() {
        return Email;
    }
    public void setEmail(String email) {
        Email = email;
    }

    public String toString() {
        return " [id=" + id + ", name=" + name + ", Dept=" +
Dept + ", Email=" + Email + "]\n";
    }

}
```

```
package Asgn2;

import java.util.ArrayList;

public class TrainerDetailsMthd {

    public static void main(String[] args) {

        TrainerA trainer1=new TrainerA();
        trainer1.setId(1);
        trainer1.setName("Mukesh");
        trainer1.setDept("Testing");
        trainer1.setEmail("mukesh@gmail.com");

        TrainerA trainer2=new TrainerA();
        trainer2.setId(2);
        trainer2.setName("Hitesh");
        trainer2.setDept("Dev");
        trainer2.setEmail("mukesh@gmail.com");

        TrainerA trainer3=new TrainerA();
        trainer3.setId(3);
        trainer3.setName("Mukesh");
        trainer3.setDept("Devops");
        trainer3.setEmail("mukesh@gmail.com");

        ArrayList<TrainerA> arraylist=new ArrayList<TrainerA>();

        arraylist.add(trainer1);
        arraylist.add(trainer2);
        arraylist.add(trainer3);

        System.out.println(arraylist);

    }

}
```

## Task 1 & 2 using Constructor

```
package Assignment2;

public class TrainerB {

    int id;
    String name;
    String Dept;
    String Email;

    public TrainerB(int id, String name, String dept, String email) {
        super();
        this.id = id;
        this.name = name;
        Dept = dept;
        Email = email;
    }

    @Override
    public String toString() {
        return "TrainerB [id=" + id + ", name=" + name + ", Dept=" +
Dept + ", Email=" + Email + "]\n";
    }

}
```

```
package Assignment2;

import java.util.ArrayList;

public class TrainerDetailsConstructor {

    public static void main(String[] args) {

        TrainerB trainer1=new TrainerB(1, "Mukesh", "Testing",
"mukesh@gmail.com");
        TrainerB trainer2=new TrainerB(1, "Hitesh", "Dev",
"mukesh@gmail.com");
        TrainerB trainer3=new TrainerB(1, "Mukesh", "Devops",
"mukesh@gmail.com");

        ArrayList<TrainerB> arraylist=new ArrayList<TrainerB>();

        arraylist.add(trainer1);
        arraylist.add(trainer2);
        arraylist.add(trainer3);

        System.out.println(arraylist);
    }
}
```

### Task 3

```
package Assignment2;

public class Student {

    String Name;
    String Email;
    String Phone;
    String Address;
    String Status;
    public String getName() {
        return Name;
    }
    public void setName(String name) {
        Name = name;
    }
    public String getEmail() {
        return Email;
    }
    public void setEmail(String email) {
        Email = email;
    }
    public String getPhone() {
        return Phone;
    }
    public void setPhone(String phone) {
        Phone = phone;
    }
    public String getAddress() {
        return Address;
    }
    public void setAddress(String address) {
        Address = address;
    }
    public String getStatus() {
        return Status;
    }
    public void setStatus(String status) {
        Status = status;
    }
    @Override
    public String toString() {
        return "Student [Name=" + Name + ", Email=" + Email + ",
Phone=" + Phone + ", Address=" + Address
        + ", Status=" + Status + "]";
    }

}
```

```

package Assignment2;

import java.util.ArrayList;
import java.util.List;
import java.util.Scanner;

public class StoreStudent {

    public static void main(String[] args) {

        Scanner sc= new Scanner(System.in);
        System.out.println("Please Enter the no of Students");
        int studentnumber=sc.nextInt();

        Scanner sc1=new Scanner(System.in);
        List<Student> list=new ArrayList<Student>();

        for (int i=0; i<studentnumber; i++)
        {
            Student student= new Student();

            System.out.println("Please Enter Name");
            student.setName(sc1.nextLine());

            System.out.println("Please Enter Email");
            student.setEmail(sc1.nextLine());

            System.out.println("Please Enter Phone Number");
            student.setPhone(sc1.nextLine());

            System.out.println("Please Enter Address");
            student.setAddress(sc1.nextLine());

            System.out.println("Please Enter Status");
            student.setStatus(sc1.nextLine());

            list.add(student);
        }
        System.out.println(list);

        Scanner sc2=new Scanner(System.in);
        System.out.println("Please which student are you looking
for");

        System.out.println(list.get(sc.nextInt()));

        sc.close();
        sc1.close();
        sc2.close();
    }
}

```