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 – “Sakthi” ,”Testing”,[sakthi@gmail.com](mailto:sakthi@gmail.com), 1

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

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

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

Ans:

**package** assignment2;

**public** **class** Trainner {

String name;

String department;

String email;

**int** id;

**public** **void** trainer1()

{

name="Sakthi";

department="Testing";

email="sakthi@gmail.com";

id=1;

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

}

**public** **void** trainer2()

{

name="Hitesh";

department="Dev";

email="sakhi@gmail.com";

id=2;

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

}

**public** **void** trainer3()

{

name="Sakthi";

department="Devops";

email="sakhi@gmail.com";

id=3;

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

}

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

Trainner trainer=**new** Trainner();

trainer.trainer1();

trainer.trainer2();

trainer.trainer3();

}

}

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

Ans:

**package** assignment2;

**public** **class** Trainner1 {

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

Object trainer[][]= {{"Sakthi","Testing","sakthi@gmail.com",1},{"Hitesh","Dev","sakthi@gmail.com",2},{"Sakthi","Devops","sakthi@gmail.com",3}};

**for**(**int** i=0;i<3;i++)

{

**if**(trainer[i][3].equals(1))

{

System.***out***.println(trainer[i][0]+" Trainer 1 can teach selenium");

}

**else** **if**(trainer[i][3].equals(2))

{

System.***out***.println(trainer[i][0]+" Trainer 2 can teach Webdevelopment");

}

**else** **if**(trainer[i][3].equals(3))

{

System.***out***.println(trainer[i][0]+" Trainer 3 can teach Devops");

}

}

}

}

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

Ans:

**package** assignment2;

**import** java.util.Scanner;

**public** **class** students {

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

**int** no\_of\_students = scanner.nextInt();

String name[] = **new** String[no\_of\_students];

String email[] = **new** String[no\_of\_students];

String phone[] = **new** String[no\_of\_students];

String address[] = **new** String[no\_of\_students];

String status[] = **new** String[no\_of\_students];

**public** **void** studentdetails() {

System.***out***.println("No of students: " + no\_of\_students);

**for** (**int** i = 0; i < no\_of\_students; i++) {

name[i] = scanner.next();

email[i] = scanner.next();

phone[i] = scanner.next();

address[i] = scanner.next();

status[i] = scanner.next();

}

System.***out***.println("All info are entered");

}

**public** **void** output() {

String stata = "completed";

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

**for** (**int** i = 0; i < no\_of\_students; i++) {

**if** (status[i].equals(stata)) {

System.***out***.println("Name of the student: " + name[i]);

System.***out***.println("Email\_id of the student: " + email[i]);

System.***out***.println("Phone Number of the student: " + phone[i]);

System.***out***.println("Address of the student: " + address[i]);

System.***out***.println("Status of the student: " + status[i]);

}

}

}

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

students student = **new** students();

student.studentdetails();

student.output();

}

}

Graphical user interface, text, application, email

Description automatically generated

Ans:

public class Fetchstudent {

String name,email,address;

long phone;

String status;

Object student[];

public void getdata()

{

Scanner st=new Scanner(System.in);

System.out.print("\n\n Enter the name\t:\t");

name=st.next();

System.out.println("\n\n Enter the email:");

email=st.next();

System.out.println("\n\n Enter the address:");

address=st.next();

System.out.println("\n\n Enter the Phone:");

phone=st.nextLong();

System.out.println("\n\n Enter the status:");

status=st.next();

Object student[]= {name, email, address, phone, status};

}

void display() {

System.out.println("\n\n Print the student detail:"+student);

}

public static void main(String[] args) {

int j,nos;

Scanner st1=new Scanner(System.in);

System.out.println("\n\n Enter the number of students:");

nos=st1.nextInt();

Fetchstudent[] infor=new Fetchstudent[nos];

for ( j = 0; j < infor.length; j++) {

System.out.println("Student Information");

infor[j]=new Fetchstudent();

infor[j].getdata();

}

System.out.println("Fetch the Student name");

Scanner st2=new Scanner(System.in);

String namefetch=st2.next();

for (Fetchstudent f:infor) {

if(f.equals(namefetch))

{

infor.hashCode();

}

}}}