```java
package p1;

final public class Student {
    private int no;
    private String fName;
    private String lName;
    private String ID;
    private final  static String address = "Hilla";
    private String department;
    private static int conter = 1;

    public Student(String fName, String lName, String department) {
        generateNO();
        this.fName = fName;
        this.lName = lName;
        this.department = department;


        generateID();
    }

    final void generateNO() {
        int temp = 0;

        for (int primary = conter; primary < 24; primary++) {
            int contPrimary = 0;

            for (int i = 1; i <= primary; i++) {
                if (primary % i == 0) {
                    contPrimary++;
                }
            }
            if (contPrimary <= 2 && temp == 0) {
                no = primary;
                temp++;
            }

            else if (contPrimary == 2) {
                conter = primary;
                break;
            }
        }
    }

    final void generateID() {
        ID = department + no;
```

```java
        }

        public String getfName() {
            return fName;
        }

        public void setfName(String fName) {
            this.fName = fName;
        }

        public String getlName() {
            return lName;
        }

        public void setlName(String lName) {
            this.lName = lName;
        }

        public String getDepartment() {
            return department;
        }

        public void setDepartment(String department) {
            this.department = department;
        }

        public String getID() {
            return ID;
        }

        public String getAddress() {
            return address;
        }

        public String toString() {
            return "no:" + no + "\nfName:" + fName + "\nlName:" + lName +
"\nID:" + ID + "\nDepartment:" + department
                + "\nAddress:" + address;
        }
}
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
package p1;

public class program1 {

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

```java
		// TODO Auto-generated method stub
		Student ob1=new Student("hassan", "amir", "as");
		Student ob2=new Student("noor", "ali", "am");
		Student ob3=new Student("ahmeed", "ali", "ay");
		Student ob4=new Student("ali", "mohameed", "as");
		Student ob5=new Student("hussen", "ahmeed", "as");
		Student ob6=new Student("nada", "sadiq", "as");

		System.out.println(ob1);
		System.out.println("_____");
		System.out.println(ob2);
		System.out.println("_____");
		System.out.println(ob3);
		System.out.println("_____");
		System.out.println(ob4);
		System.out.println("_____");
		System.out.println(ob5);
		System.out.println("_____");
		System.out.println(ob6);
	}

}
```