UNIVERSIDAD DON BOSCO.

FACULTAD DE INGENIERÍA

ESCUELA DE COMPUTACIÓN.

Asignatura:

Desarrollo de Software para Móviles

Actividad:

Guía de laboratorio 01

Grupo de laboratorio:

03L

Alumna: **Carné**

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Ejercicio 1

Codigo

Numerodivisible - Apache NetBeans IDE 12.3

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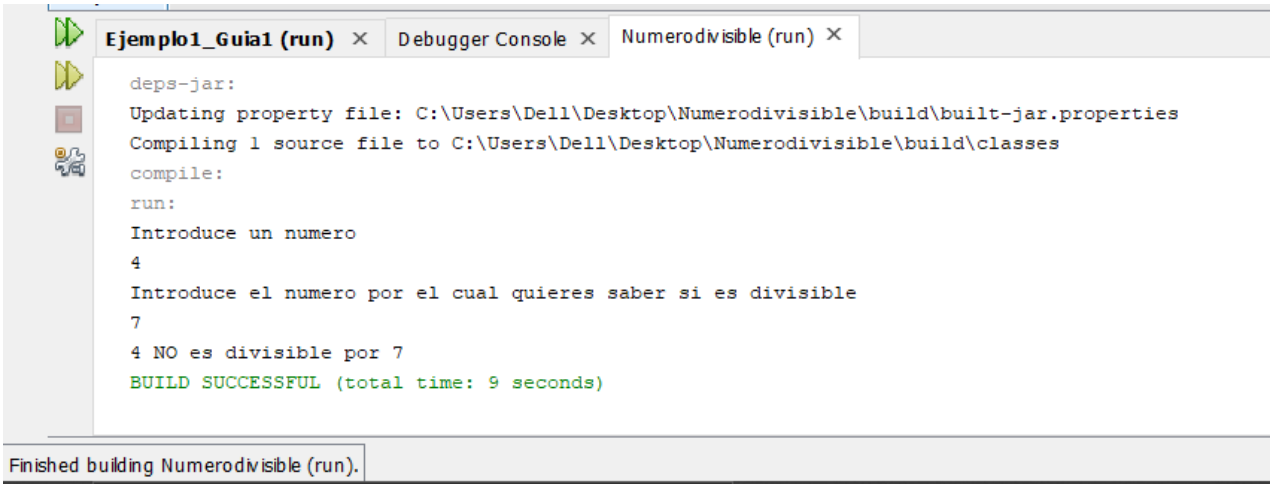
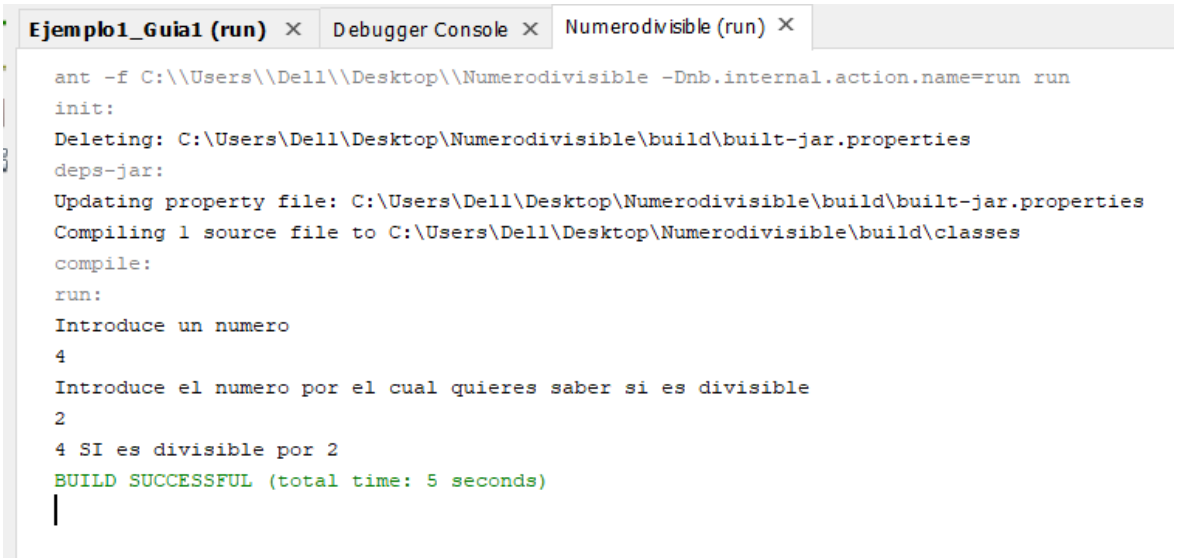
Start Page | Ejemplo1Guia1.java | Numerodivisible.java

Source History

```
1  package numerodivisible;
2
3  import java.util.*;
4
5  public class Numerodivisible {
6
7      /**
8       * @param args the command line arguments
9       */
10     public static void main(String[] args) {
11         Scanner reader = new Scanner(System.in);
12
13         int numero1,numero2;
14
15         System.out.println("Introduce un numero");
16         numero1=reader.nextInt();
17
18         System.out.println("Introduce el numero por el cual quieres saber si es divisible");
19         numero2=reader.nextInt();
20
21         if (numero1%numero2==0)
22             System.out.println(numero1 + " SI es divisible por " + numero2);
23         else
24             System.out.println(numero1 + " NO es divisible por " + numero2);
25
26
```

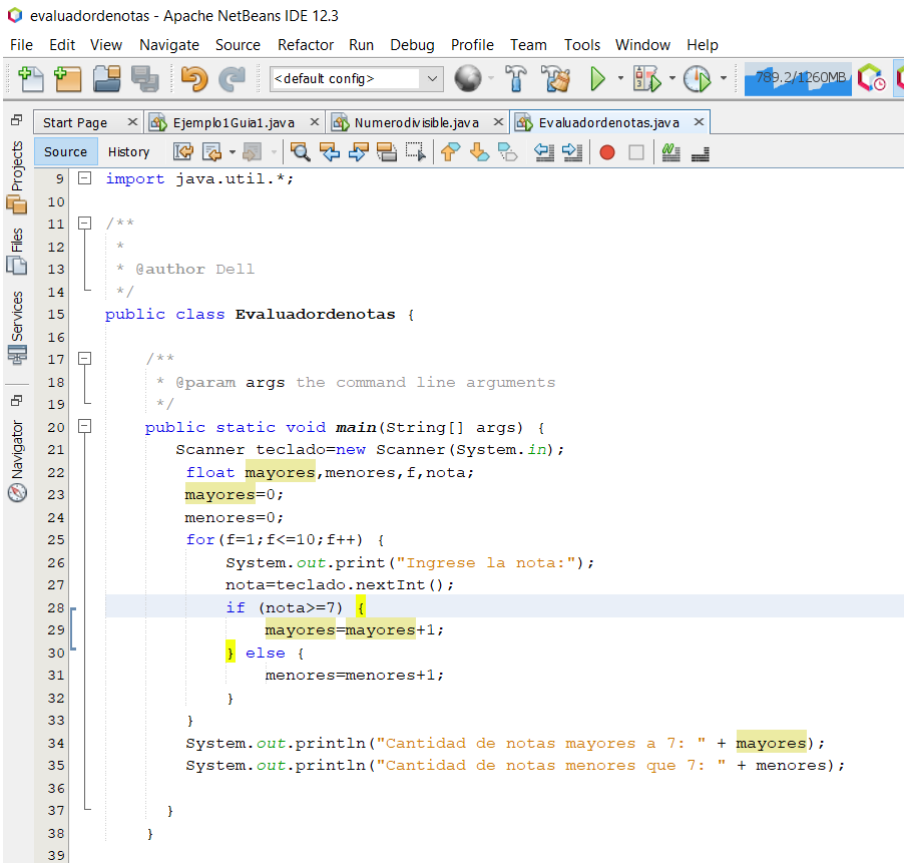
Resultado





Ejercicio 2

Código


evaluadordenotas - Apache NetBeans IDE 12.3
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
<default config>
789.2/1260MB
Start Page
Ejemplo1Guia1.java
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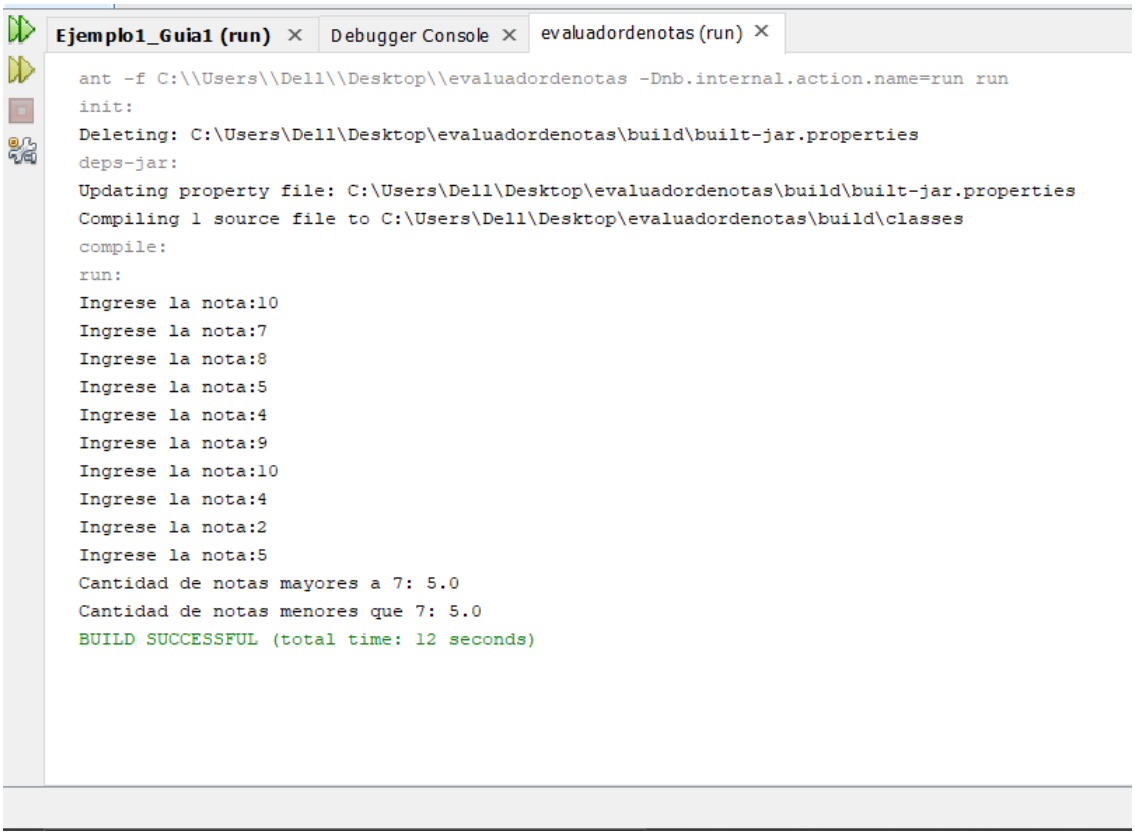
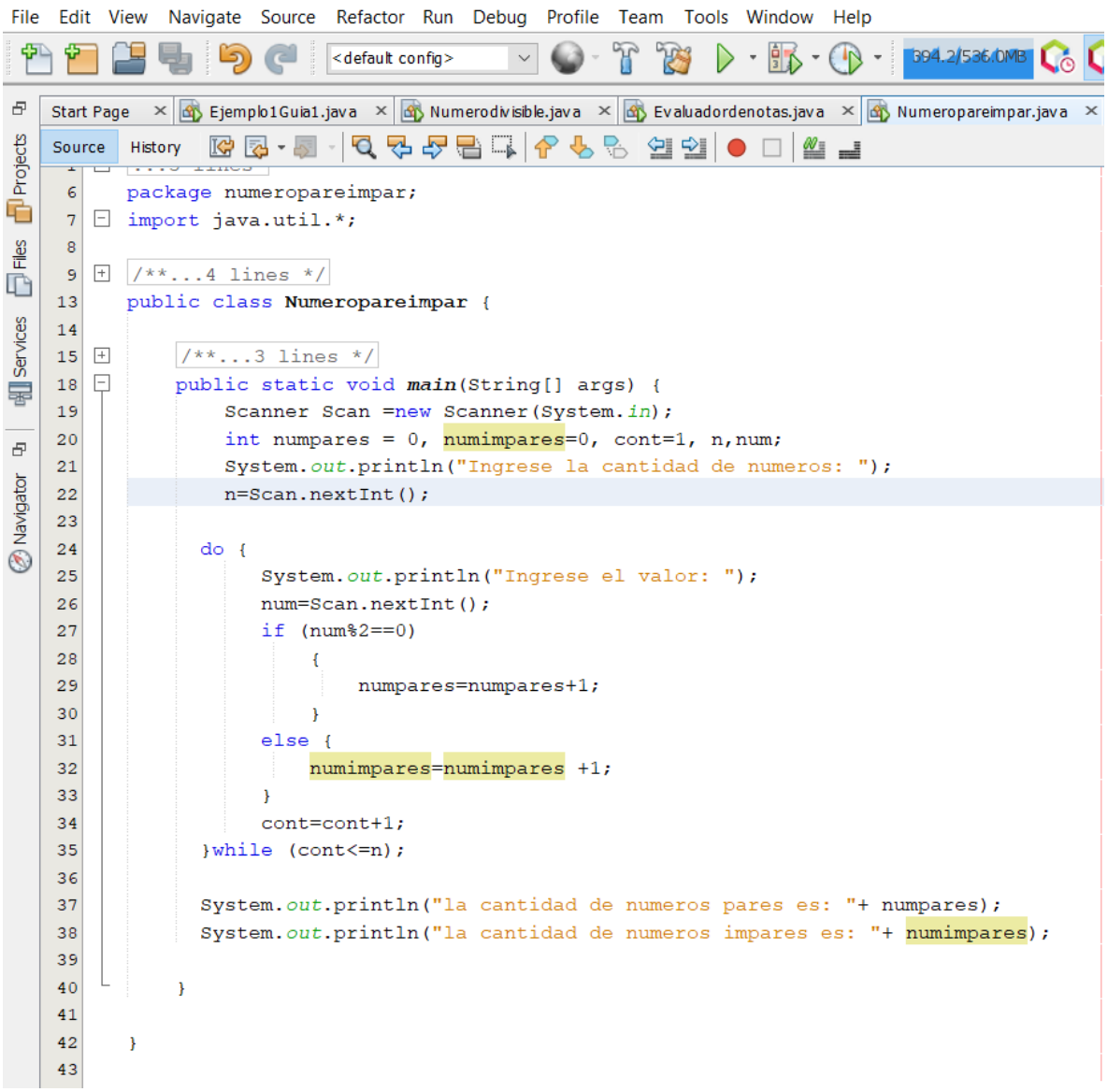
Projects
Files
Services
Navigator
import java.util.*;
/**
*
* @author Dell
*/
public class Evaluadordenotas {
/**
* @param args the command line arguments
*/
public static void main(String[] args) {
Scanner teclado=new Scanner(System.in);
float mayores,menores,f,nota;
mayores=0;
menores=0;
for(f=1;f<=10;f++) {
System.out.print("Ingrese la nota:");
nota=teclado.nextInt();
if (nota>=7) {
mayores=mayores+1;
} else {
menores=menores+1;
}
}
System.out.println("Cantidad de notas mayores a 7: " + mayores);
System.out.println("Cantidad de notas menores que 7: " + menores);
}
}

Resultado

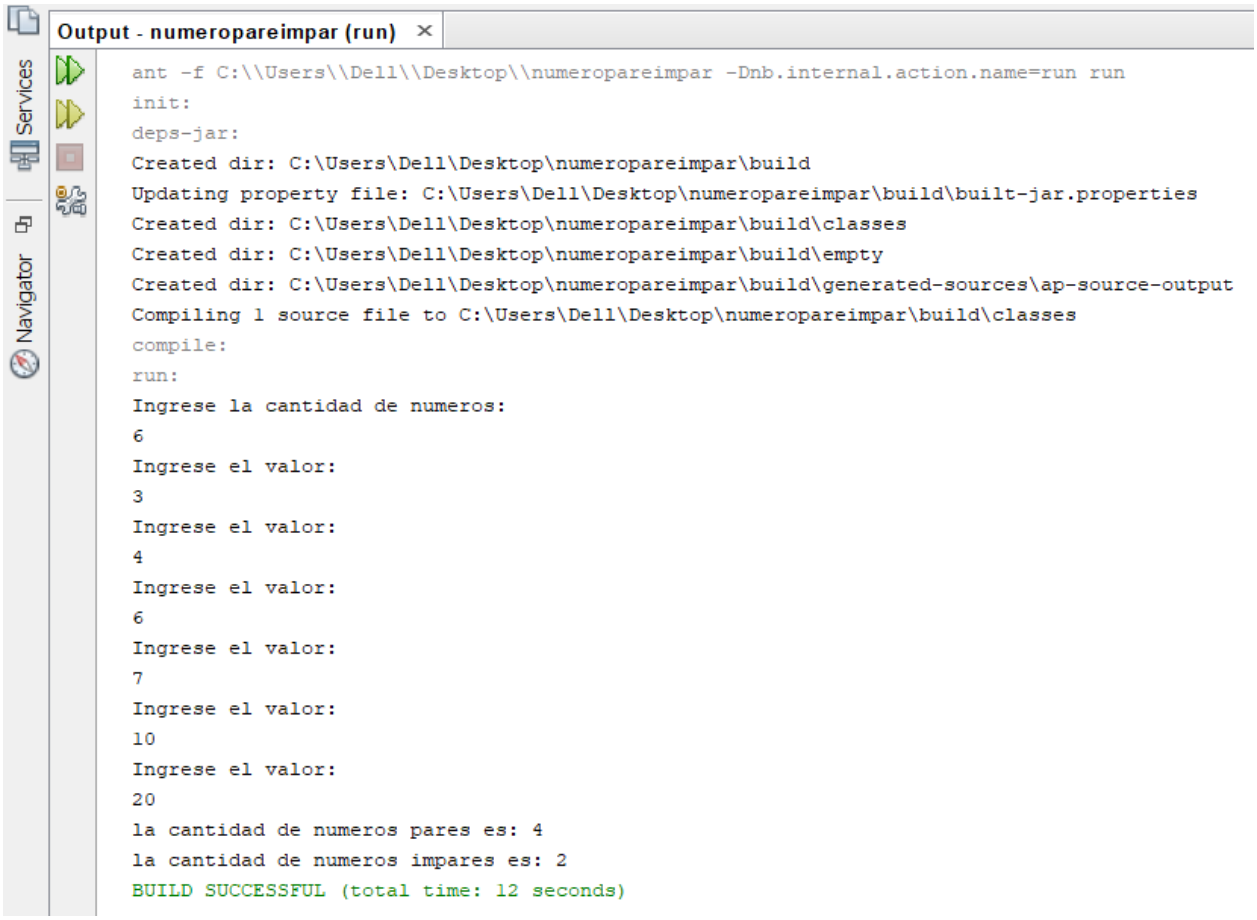

Ejemplo1_Guia1 (run)
Debugger Console
evaluadordenotas (run)
ant -f C:\\Users\\Dell\\Desktop\\evaluadordenotas -Dnb.internal.action.name=run run
init:
Deleting: C:\Users\Dell\Desktop\evaluadordenotas\build\built-jar.properties
deps-jar:
Updating property file: C:\Users\Dell\Desktop\evaluadordenotas\build\built-jar.properties
Compiling 1 source file to C:\Users\Dell\Desktop\evaluadordenotas\build\classes
compile:
run:
Ingrese la nota:10
Ingrese la nota:7
Ingrese la nota:8
Ingrese la nota:5
Ingrese la nota:4
Ingrese la nota:9
Ingrese la nota:10
Ingrese la nota:4
Ingrese la nota:2
Ingrese la nota:5
Cantidad de notas mayores a 7: 5.0
Cantidad de notas menores que 7: 5.0
BUILD SUCCESSFUL (total time: 12 seconds)

Ejercicio 3

Código

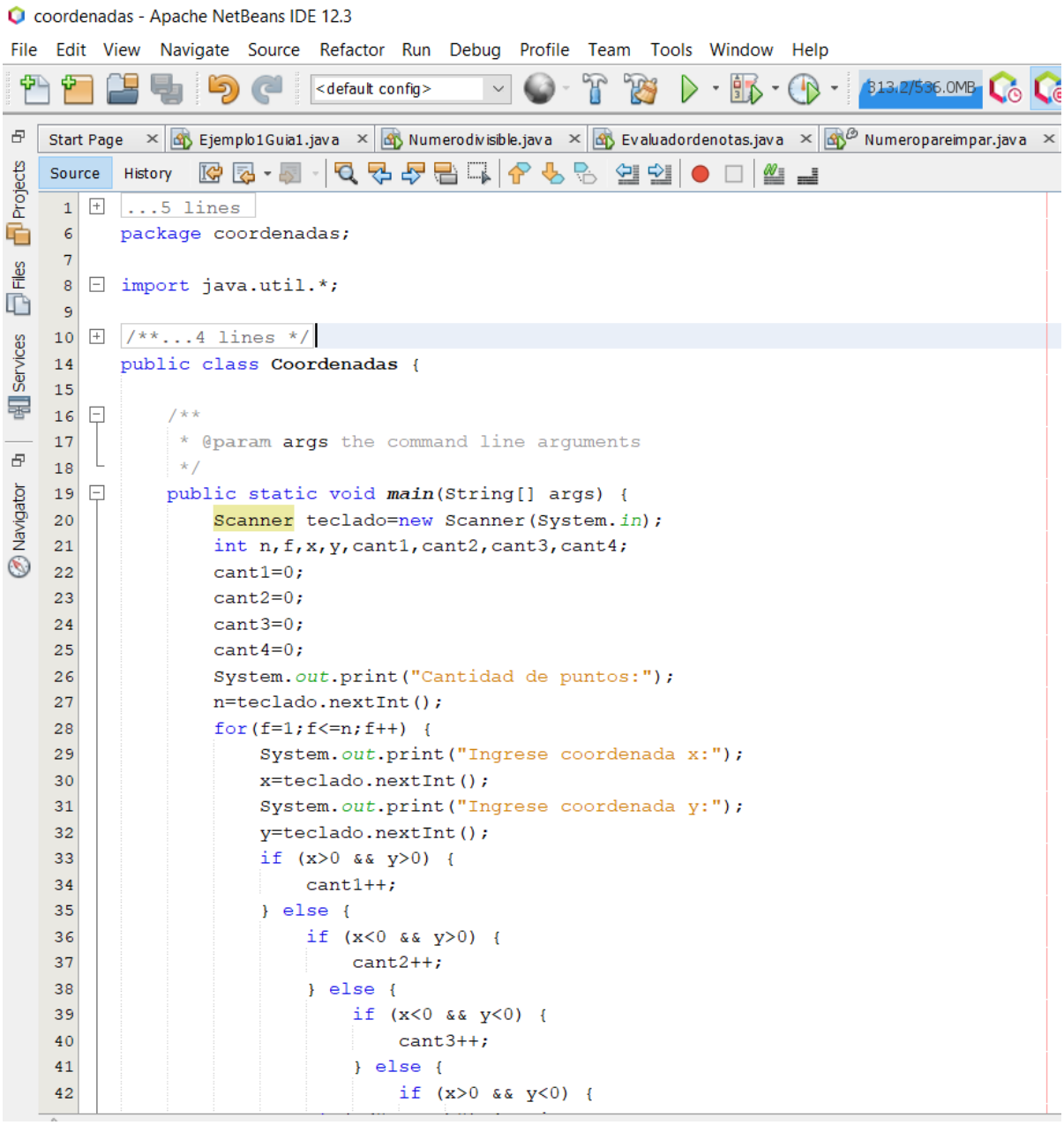


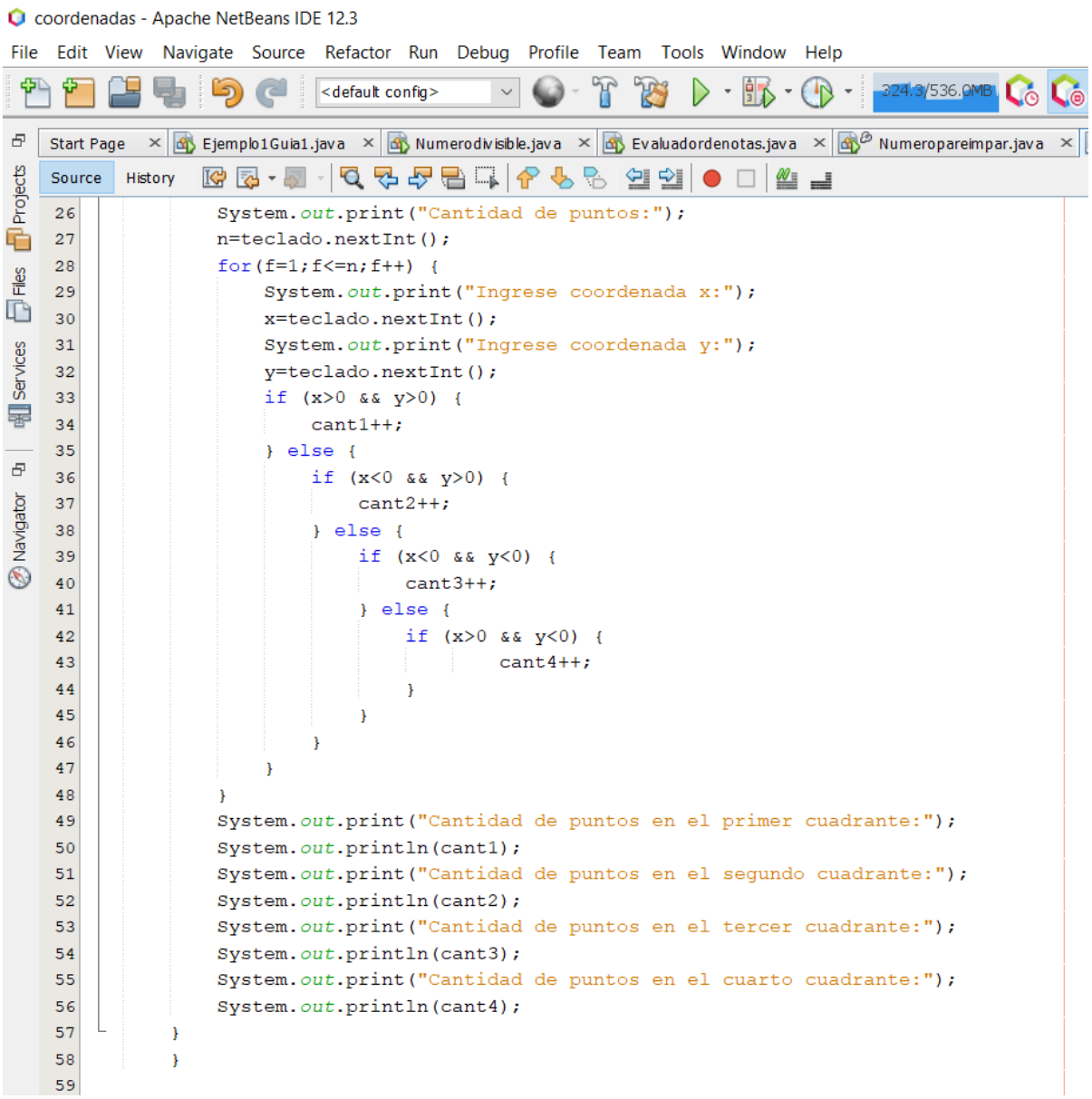
Resultados


Output - numeropareimpar (run)
Services
Navigator
ant -f C:\\Users\\Dell\\Desktop\\numeropareimpar -Dnb.internal.action.name=run run
init:
deps-jar:
Created dir: C:\Users\Dell\Desktop\numeropareimpar\build
Updating property file: C:\Users\Dell\Desktop\numeropareimpar\build\built-jar.properties
Created dir: C:\Users\Dell\Desktop\numeropareimpar\build\classes
Created dir: C:\Users\Dell\Desktop\numeropareimpar\build\empty
Created dir: C:\Users\Dell\Desktop\numeropareimpar\build\generated-sources\ap-source-output
Compiling 1 source file to C:\Users\Dell\Desktop\numeropareimpar\build\classes
compile:
run:
Ingrese la cantidad de numeros:
6
Ingrese el valor:
3
Ingrese el valor:
4
Ingrese el valor:
6
Ingrese el valor:
7
Ingrese el valor:
10
Ingrese el valor:
20
la cantidad de numeros pares es: 4
la cantidad de numeros impares es: 2
BUILD SUCCESSFUL (total time: 12 seconds)

Ejercicio 4

Código




coordenadas - Apache NetBeans IDE 12.3
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
<default config>
324.3/536.0MB
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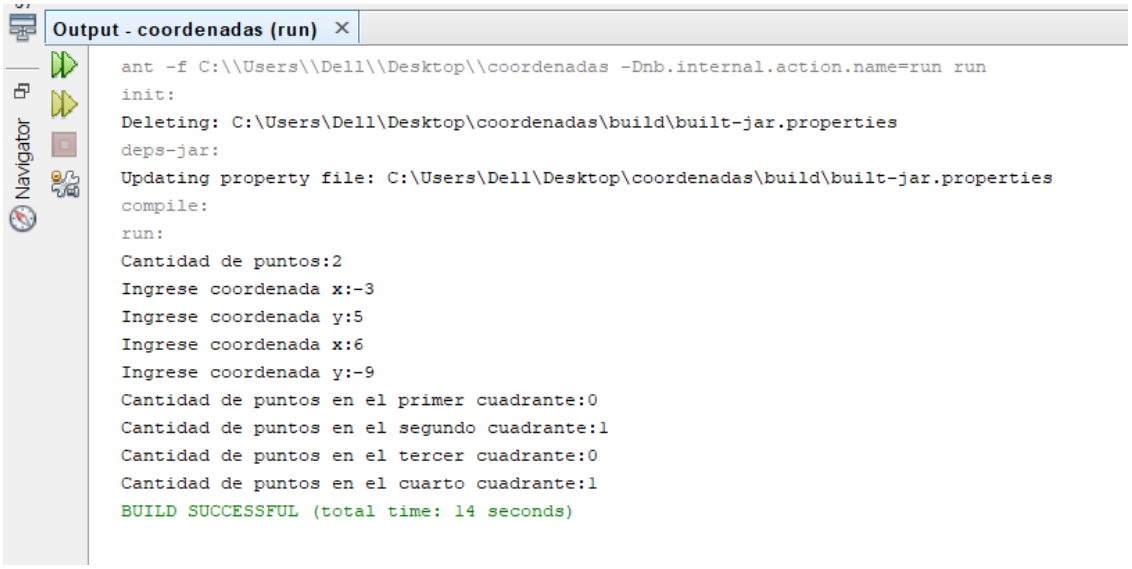
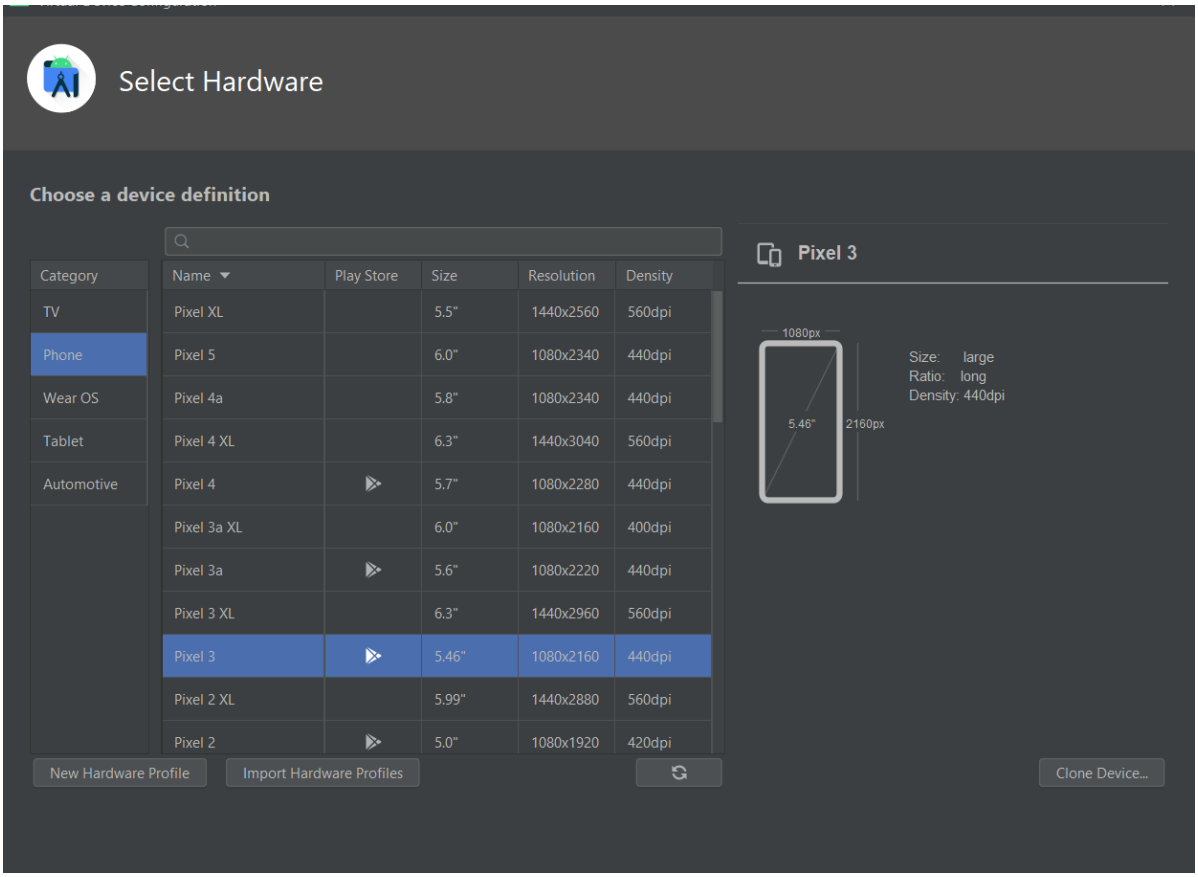
Navigator
System.out.print("Cantidad de puntos:");
n=teclado.nextInt();
for(f=1;f<=n;f++) {
System.out.print("Ingrese coordenada x:");
x=teclado.nextInt();
System.out.print("Ingrese coordenada y:");
y=teclado.nextInt();
if (x>0 && y>0) {
cant1++;
} else {
if (x<0 && y>0) {
cant2++;
} else {
if (x<0 && y<0) {
cant3++;
} else {
if (x>0 && y<0) {
cant4++;
}
}
}
}
}
System.out.print("Cantidad de puntos en el primer cuadrante:");
System.out.println(cant1);
System.out.print("Cantidad de puntos en el segundo cuadrante:");
System.out.println(cant2);
System.out.print("Cantidad de puntos en el tercer cuadrante:");
System.out.println(cant3);
System.out.print("Cantidad de puntos en el cuarto cuadrante:");
System.out.println(cant4);
}
}

Resultados

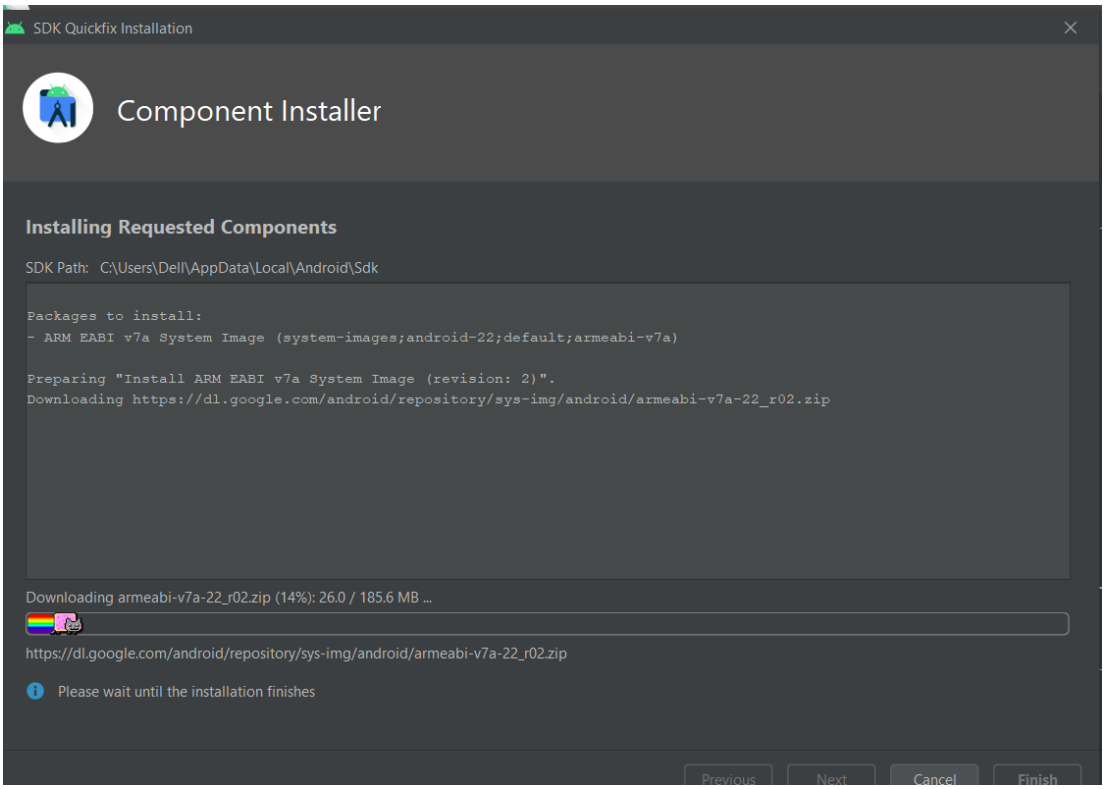

Output - coordenadas (run)
Navigator
ant -f C:\\Users\\Dell\\Desktop\\coordenadas -Dnb.internal.action.name=run run
init:
Deleting: C:\Users\Dell\Desktop\coordenadas\build\built-jar.properties
deps-jar:
Updating property file: C:\Users\Dell\Desktop\coordenadas\build\built-jar.properties
compile:
run:
Cantidad de puntos:2
Ingrese coordenada x:-3
Ingrese coordenada y:5
Ingrese coordenada x:6
Ingrese coordenada y:-9
Cantidad de puntos en el primer cuadrante:0
Cantidad de puntos en el segundo cuadrante:1
Cantidad de puntos en el tercer cuadrante:0
Cantidad de puntos en el cuarto cuadrante:1
BUILD SUCCESSFUL (total time: 14 seconds)

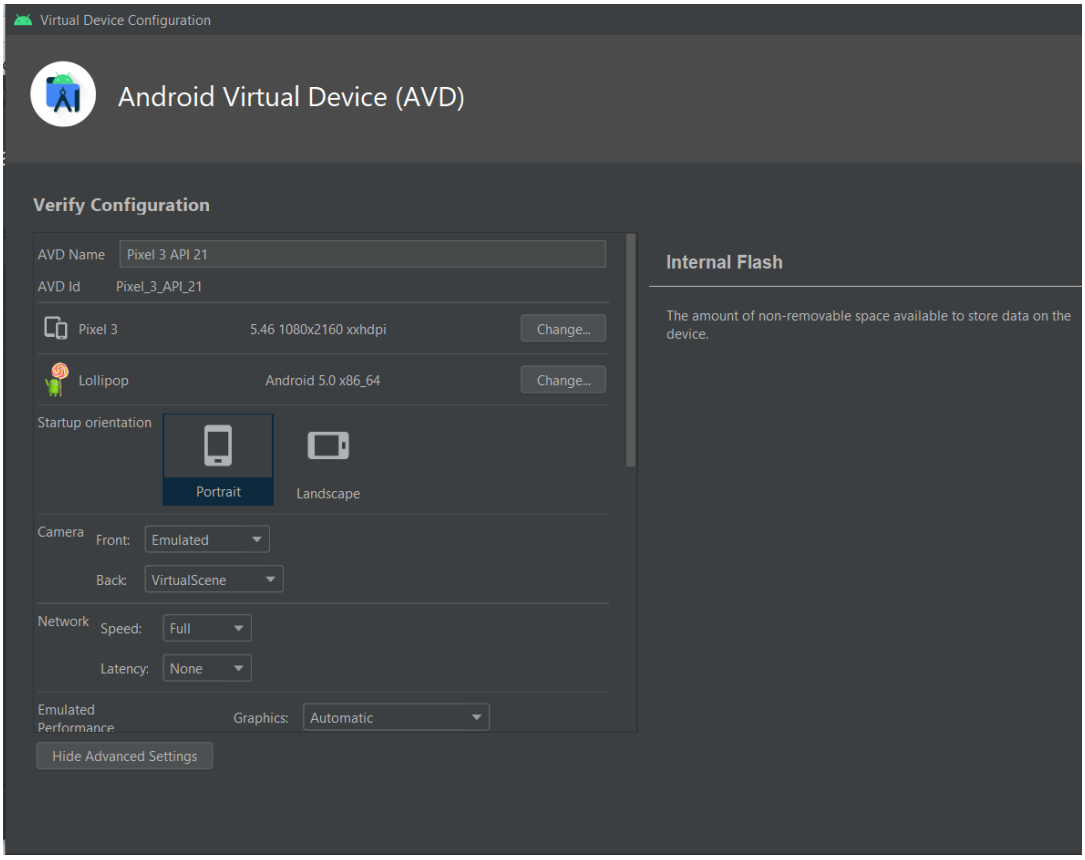
Creación de emuladores

Ejercicio 1

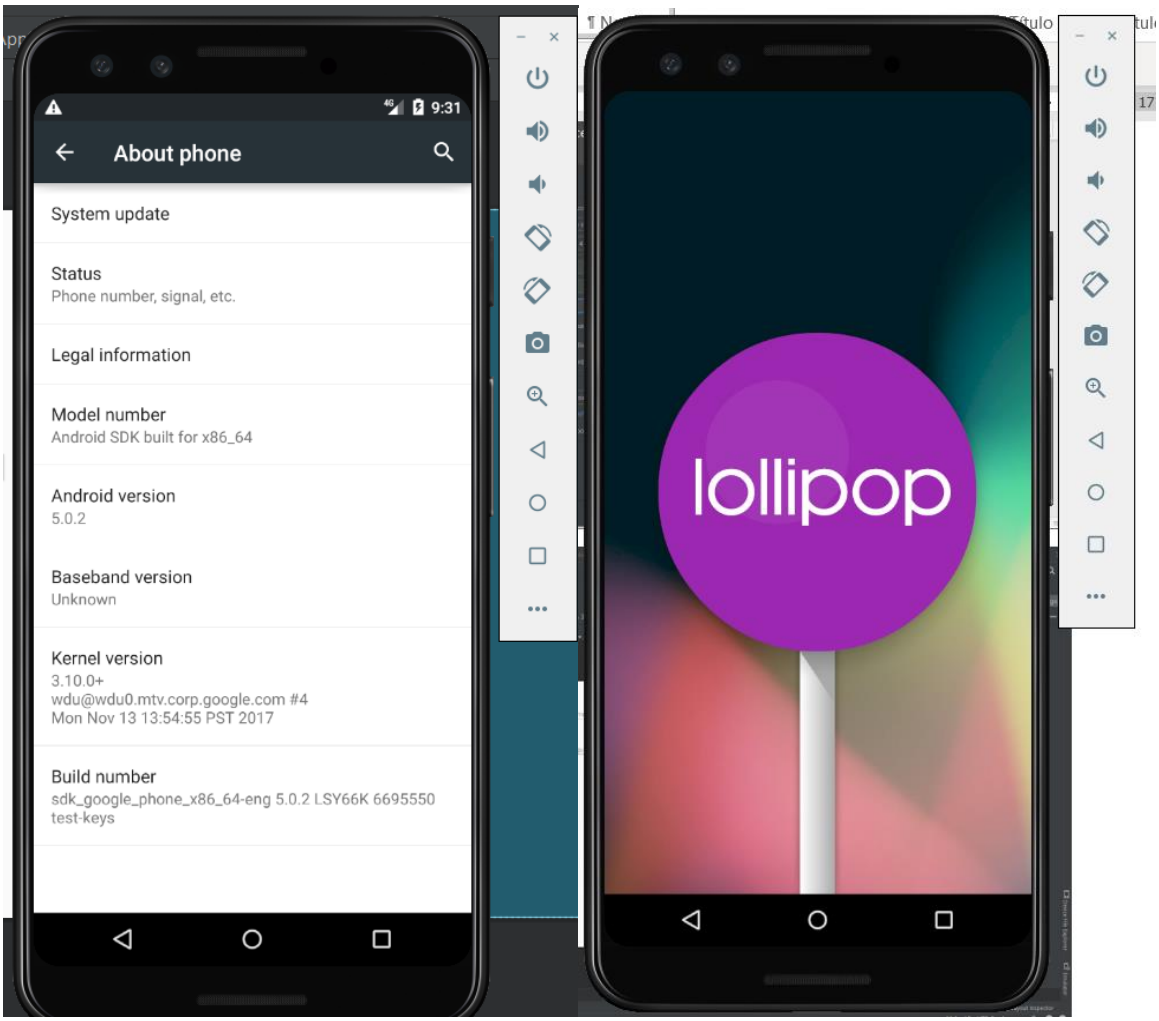


Descargando la version de android a usar

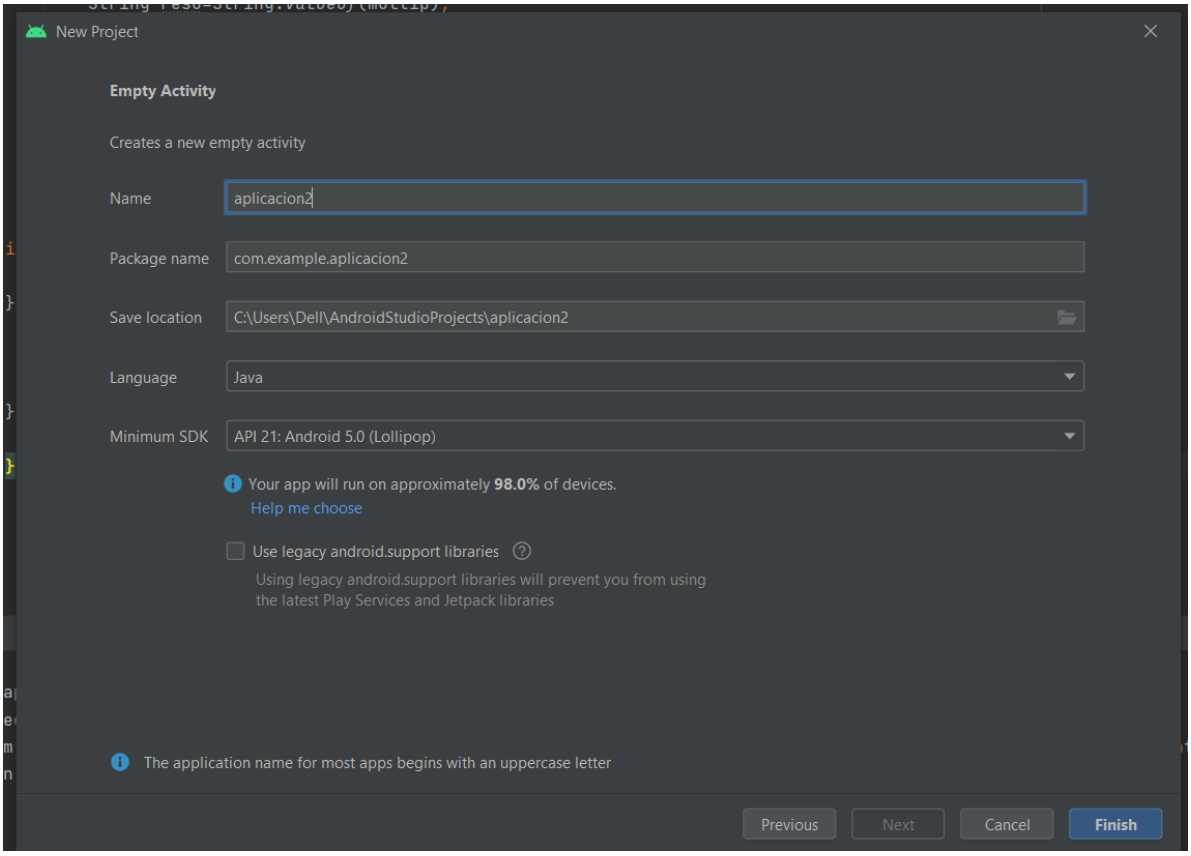


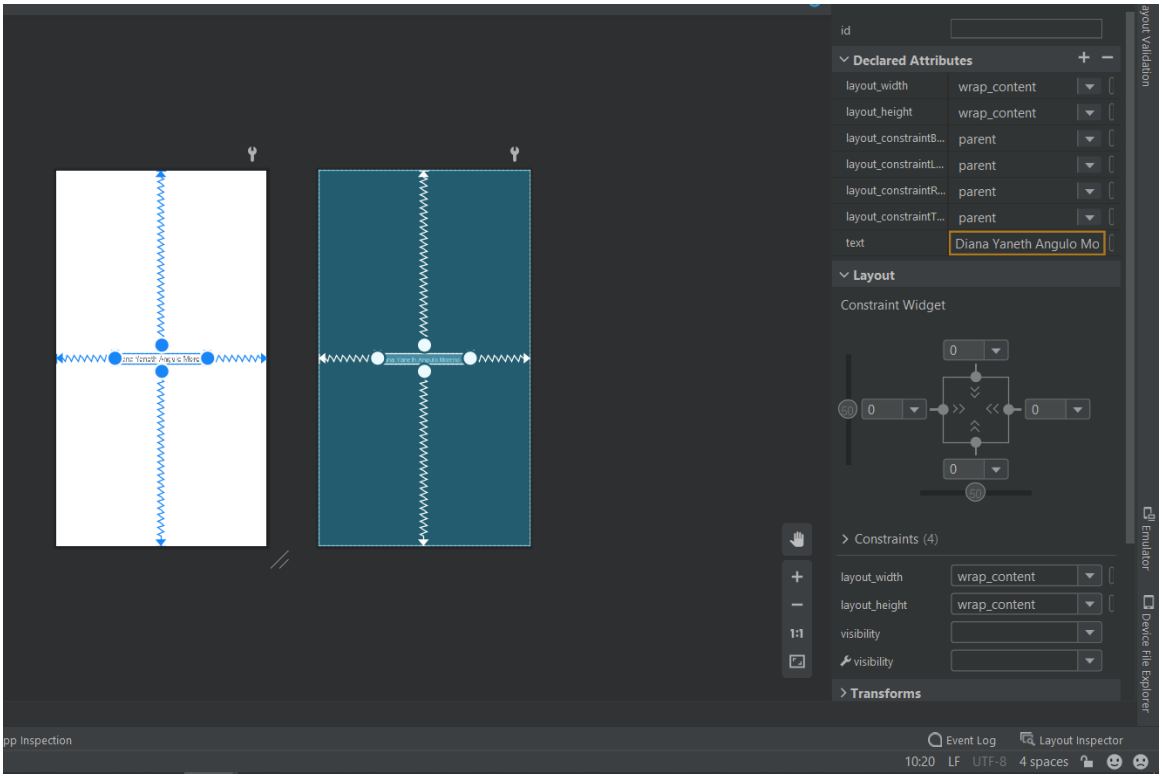


Virtual Device Configuration
Android Virtual Device (AVD)
Verify Configuration
Choose from snapshot
(no snapshots)
Multi-Core CPU
4
Memory and Storage
RAM:
500
MB
VM heap:
256
MB
Internal Storage:
7500
MB
SD card:
Studio-managed
512
MB
External file
No SDCard
Device Frame
Enable Device Frame
Custom skin definition
pixel_3
...
How do I create a custom hardware skin?
Keyboard
Enable keyboard input
Hide Advanced Settings

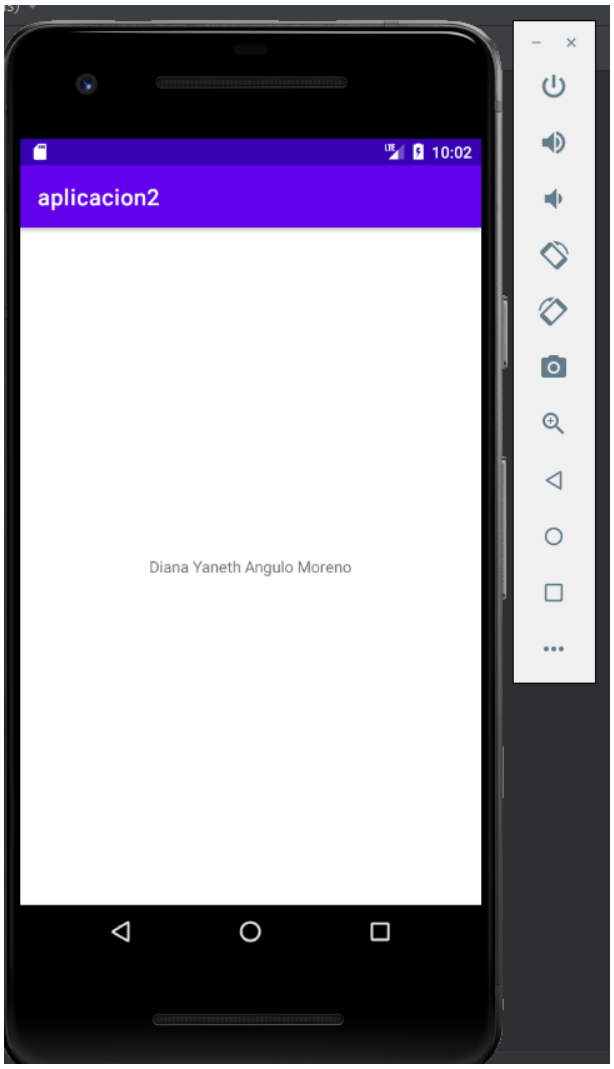

9:31
About phone
System update
Status
Phone number, signal, etc.
Legal information
Model number
Android SDK built for x86_64
Android version
5.0.2
Baseband version
Unknown
Kernel version
3.10.0+
wdu@wdu0.mtv.corp.google.com #4
Mon Nov 13 13:54:55 PST 2017
Build number
sdk_google_phone_x86_64-eng 5.0.2 LSY66K 6695550
test-keys
lollipop

Ejercicio 2


New Project
Empty Activity
Creates a new empty activity
Name
aplicacion2
Package name
com.example.aplicacion2
Save location
C:\Users\Dell\AndroidStudioProjects\aplicacion2
Language
Java
Minimum SDK
API 21: Android 5.0 (Lollipop)
Your app will run on approximately 98.0% of devices.
Help me choose
Use legacy android.support libraries
Using legacy android.support libraries will prevent you from using the latest Play Services and Jetpack libraries
The application name for most apps begins with an uppercase letter
Previous
Next
Cancel
Finish

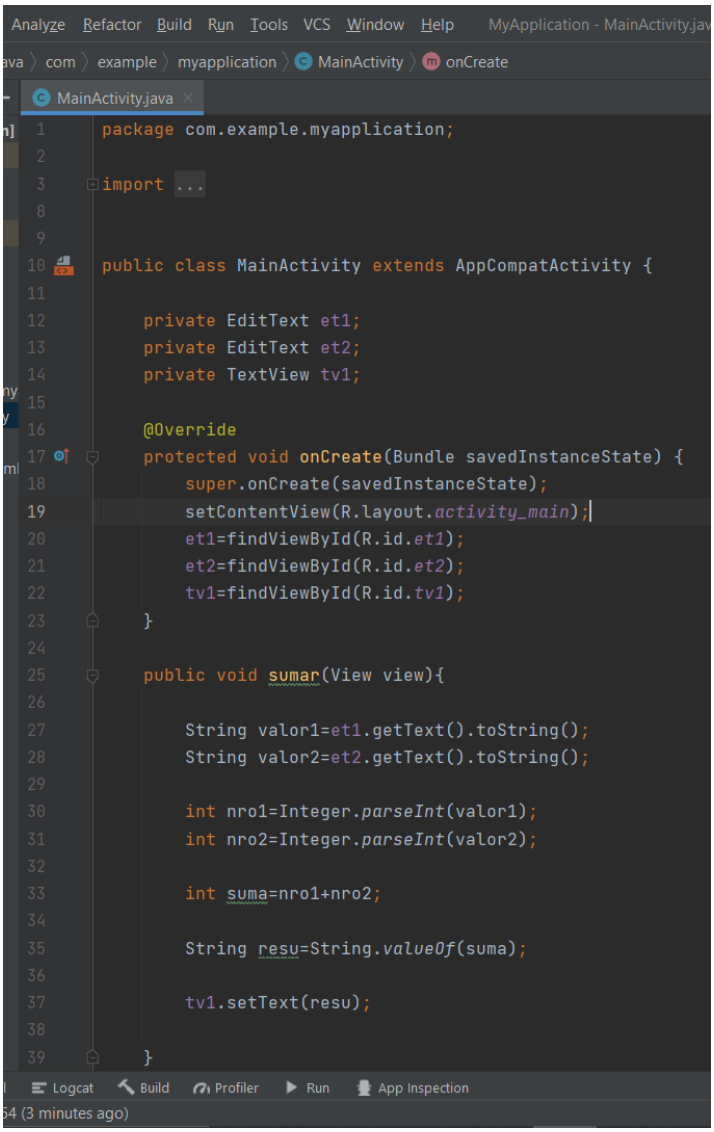

id
Declared Attributes
layout_width
wrap_content
layout_height
wrap_content
layout_constraintB...
parent
layout_constraintL...
parent
layout_constraintR...
parent
layout_constraintT...
parent
text
Diana Yaneth Angulo Mo
Layout
Constraint Widget
Constraints (4)
layout_width
wrap_content
layout_height
wrap_content
visibility
visibility
Transforms
Event Log
Layout Inspector
10:20
LF
UTF-8
4 spaces

Resultado



Ejercicio 3

Código



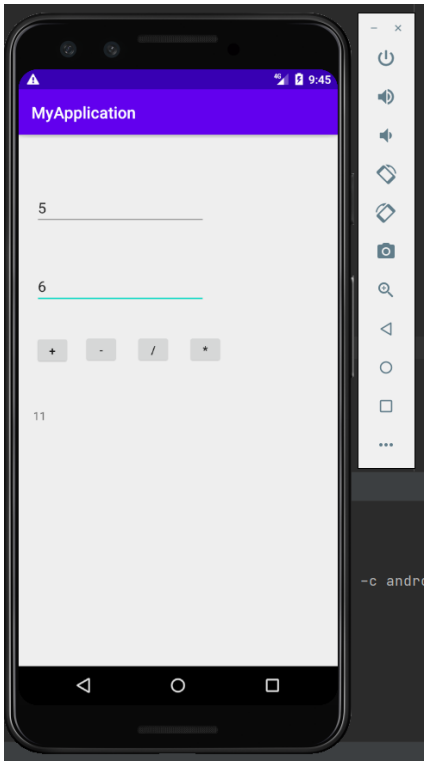
```
public class MainActivity extends AppCompatActivity {
    public void restar(View view){
        String valor1=et1.getText().toString();
        String valor2=et2.getText().toString();
        int nro1=Integer.parseInt(valor1);
        int nro2=Integer.parseInt(valor2);
        int resta=nro1-nro2;
        String resu=String.valueOf(resta);
        tv1.setText(resu);

    }
    public void multiplicar(View view){
        String valor1=et1.getText().toString();
        String valor2=et2.getText().toString();
        int nro1=Integer.parseInt(valor1);
        int nro2=Integer.parseInt(valor2);
        int multip=nro1*nro2;
        String resu=String.valueOf(multip);
        tv1.setText(resu);

    }
    public void dividir(View view){
        String valor1=et1.getText().toString();
        String valor2=et2.getText().toString();
        int nro1=Integer.parseInt(valor1);
        int nro2=Integer.parseInt(valor2);
if (nro2==0) {
    System.out.print("Ingrese un valor diferente a 0");
} else {
        int div=nro1/nro2;
        String resu=String.valueOf(div);
        tv1.setText(resu);
}
    }
}
```

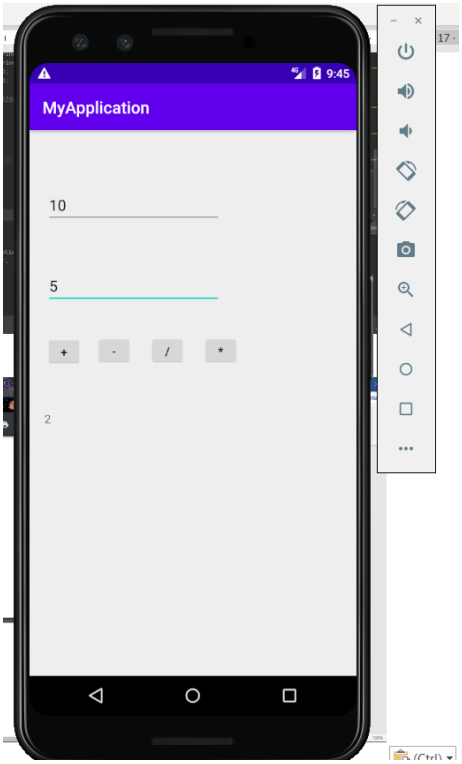
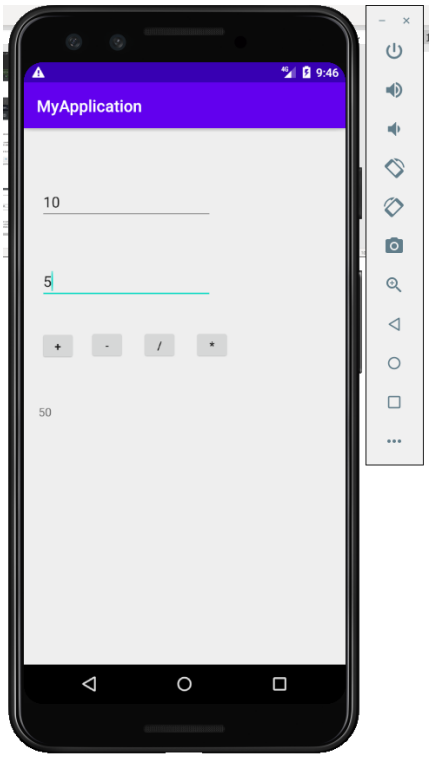
Resultados

Suma



Resta

Division



Multiplicación