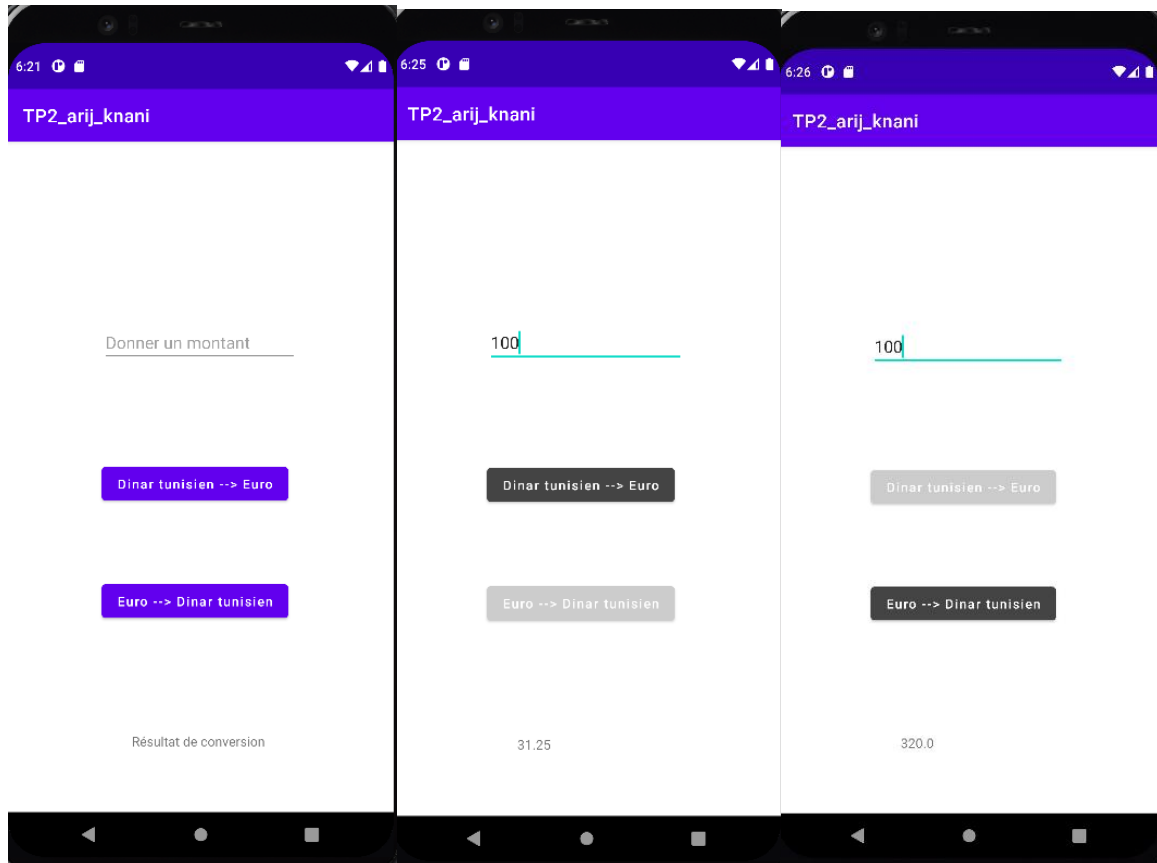


Tp2 : Intent explicites et gestion des événements

Réalisé par :
arij knani

Partie 1 :



```

package eniso.gte2.tp2_arj_knani

import ...

class CurrencyActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        //setContentView(R.layout.activity_currency)
        val binding = ActivityCurrencyBinding.inflate(layoutInflater)
        setContentView(binding.root)

        binding.btnDinar.setOnClickListener { it: View!

            binding.btnDinar.setBackgroundColor(Color.DKGRAY)
            binding.btnEuro.setBackgroundColor(Color.LTGRAY)
            if (binding.myed.text.isEmpty()){
                Toast.makeText(context: this, text: "empty", Toast.LENGTH_LONG).show()
            }
            else {
                val nb= binding.myed.text.toString().toFloat()
                binding.mytv.text="${nb/3.2}"
            }
        }
    }
}

```

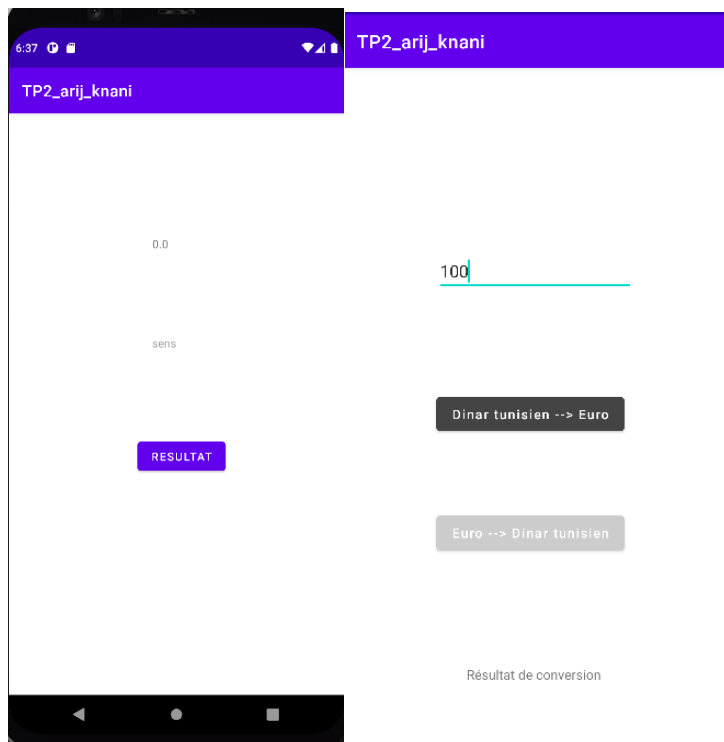
```

binding.btnEuro.setOnClickListener { it: View!

    binding.btnDinar.setBackgroundColor(Color.LTGRAY)
    binding.btnEuro.setBackgroundColor(Color.DKGRAY)
    if (binding.myed.text.isEmpty()){
        Toast.makeText(context: this, text: "empty", Toast.LENGTH_LONG).show()
    }
    else {
        val nb= binding.myed.text.toString().toFloat()
        binding.mytv.text="${nb*3.2}"
    }
}

```

Partie 2 : transmission de données



```
binding.btnDinar.setOnClickListener { it: View!

    binding.btnDinar.setBackgroundColor(Color.DKGRAY)
    binding.btnEuro.setBackgroundColor(Color.LTGRAY)
    if (binding.myed.text.isEmpty()){
        Toast.makeText( context: this, text: "empty", Toast.LENGTH_LONG).show()
    }
    else {

        val i= Intent( packageContext: this,ConversionActivity::class.java)
        i.putExtra( name: "montant",binding.myed.text.toString().toFloat())
        i.putExtra( name: "sens", value: "DT en Euro")
        startActivity(i)
```

```

binding.btnEuro.setOnClickListener { it: View!

    binding.btnDinar.setBackgroundColor(Color.LTGRAY)
    binding.btnEuro.setBackgroundColor(Color.DKGRAY)
    if (binding.myed.text.isEmpty()){
        Toast.makeText(context: this, text: "empty", Toast.LENGTH_LONG).show()
    }
    else {

        val i= Intent( packageContext: this,ConversionActivity::class.java)
        i.putExtra( name: "montant",binding.myed.text.toString().toFloat())
        i.putExtra( name: "sens", value: "Euro en DT")
        startActivity(i)
    }
}

```

TP2_arij_knani

100.0

DT en Euro

RESULTAT

l'equivalent de 100.0 DT en Euro est : 31.25

package eniso.gte2.tp2_arij_knani

1 5 ^ v

import ...

```
class ConversionActivity : AppCompatActivity() {  
    override fun onCreate(savedInstanceState: Bundle?) {  
        super.onCreate(savedInstanceState)  
        //setContentView(R.layout.activity_conversion)  
        val binding = ActivityConversionBinding.inflate(layoutInflater)  
        setContentView(binding.root)  
  
        val montant= intent.getFloatExtra( name: "montant", defaultValue: 0.0F)  
        val sens=intent.getStringExtra( name: "sens")
```



```
        binding.mym.text = "$montant"
```

```
        binding.mys.text=sens
```

```
        binding.btnconv.setOnClickListener { it: View! }
```

```
            if (sens == "DT en Euro"){
```

```
                Toast.makeText(
```

```
                    context: this,
```

```
                    text: "l'equivalent de $montant DT en Euro est : ${montant/3.2}",
```

```
                    Toast.LENGTH_LONG).show()
```

```
            }
```

```
            else if (sens == "Euro en DT"){
```

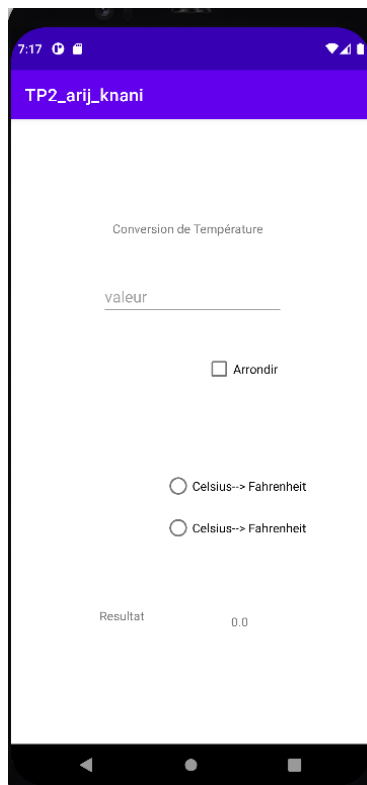
```
                Toast.makeText(
```

```
                    context: this,
```

```
                    text: "l'equivalent de $montant Euro en DT est : ${montant*3.2}",
```

```
                    Toast.LENGTH_LONG).show()
```

Partie 3 :

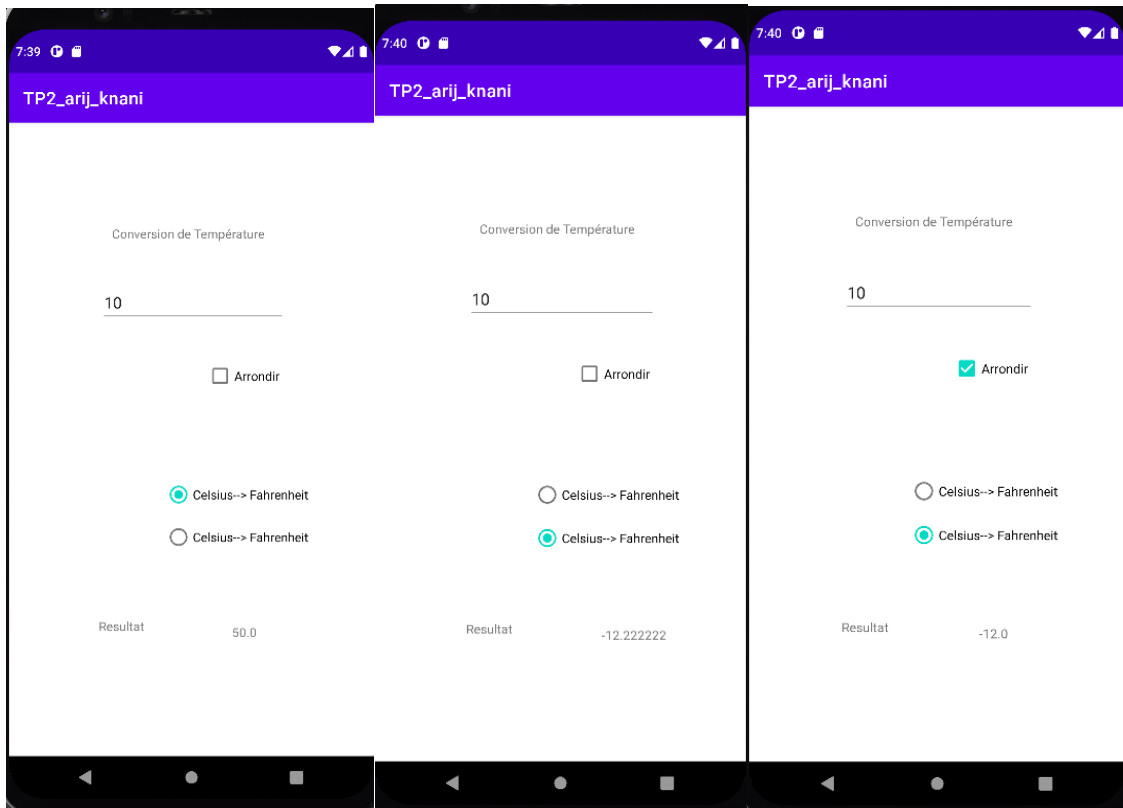


```
package eniso.gte2.tp2_arij_knani

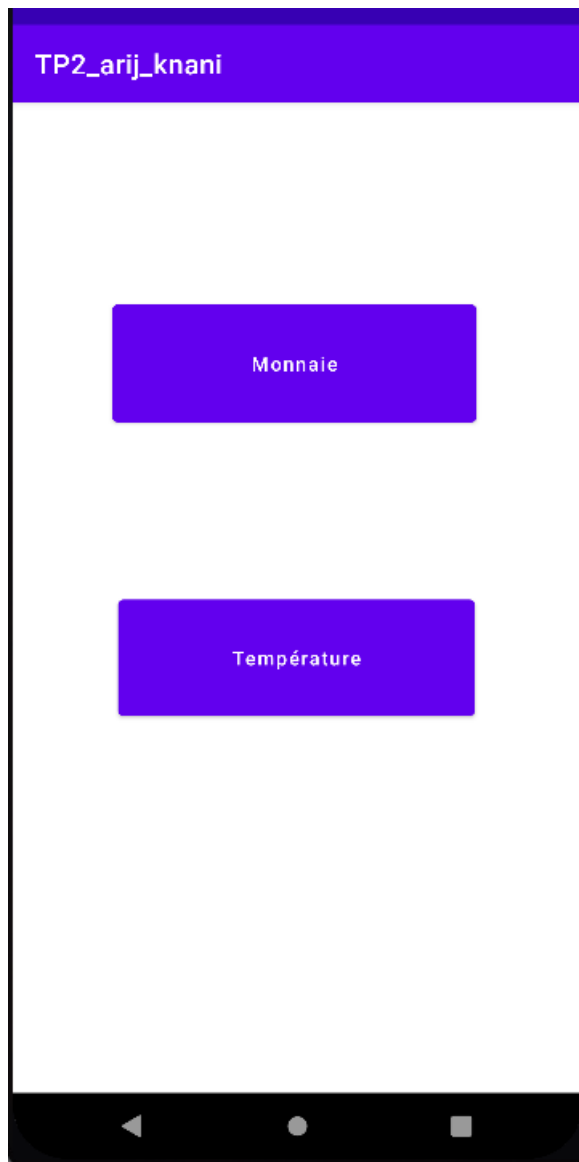
import ...

class TemperatureActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        //setContentView(R.layout.activity_temperature)
        val binding = ActivityTemperatureBinding.inflate(layoutInflater)
        setContentView(binding.root)

        binding.myrg.setOnCheckedChangeListener { group, checkedId ->
            if (binding.myedt.text.isEmpty()){
                Toast.makeText(context, this, "Empty", Toast.LENGTH_LONG).show()
            }
            else {
                val t=binding.myedt.text.toString().toFloat()
                var res=0.0F
                when(checkedId){
                    binding.sens1.id -> res= ((9*t)/5)+32
                    binding.sens2.id -> res= (5*(t-32))/9
                }
                if (binding.arrondir.isChecked())
                    res= kotlin.math.ceil(res)
                binding.restv.text="${res}"
            }
        }
    }
}
```



Partie 4




```
package eniso.gte2.tp2_arij_knani

import ...

class HomeActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        //setContentView(R.layout.activity_home)

        val binding = ActivityHomeBinding.inflate(layoutInflater)
        setContentView(binding.root)

        binding.monnaie.setOnClickListener { it: View!
            val i=Intent( packageContext: this,CurrencyActivity::class.java)
            startActivity(i)
        }

        binding.temperature.setOnClickListener { it: View!
            val i=Intent( packageContext: this,TemperatureActivity::class.java)
            startActivity(i)
        }
    }
}
```