

**Correction TP04****Matière : ATELIER DEVELOPPEMENT MOBILE1****Classes : SEM21**

Pays

package com.pays;

//imports

```
public class MainActivity extends Activity {  
    private EditText edPays;  
    private Button btnAjouter;  
    private Button btnVider;  
    private ListView lstPays;  
    private ArrayAdapter<String> adpPays;  
  
    @Override  
    protected void onCreate(Bundle savedInstanceState) {  
        super.onCreate(savedInstanceState);  
        setContentView(R.layout.activity_main);  
        init();  
    }  
    private void init() {  
        edPays = (EditText) findViewById(R.id.edPays);  
        btnAjouter = (Button) findViewById(R.id.btnAjouter);  
        btnVider = (Button) findViewById(R.id.btnVider);  
        lstPays = (ListView) findViewById(R.id.lstPays);  
        lier();  
        ajouterEcouteur();  
    }  
    private void lier() {  
        adpPays = new ArrayAdapter<String>(this, android.R.layout.simple_list_item_1);  
        lstPays.setAdapter(adpPays);  
    }  
    private void ajouterEcouteur() {  
        btnAjouter.setOnClickListener(new OnClickListener() {  
            @Override  
            public void onClick(View arg0) {  
                ajouter();  
            }  
        });  
        btnVider.setOnClickListener(new OnClickListener() {  
            @Override  
            public void onClick(View arg0) {  
                vider();  
            }  
        });  
    }  
}
```

```
IstPays.setOnItemClickListener(new OnItemClickListener() {  
    @Override  
    public void onItemClick(AdapterView<?> arg0, View arg1, int arg2, long arg3) {  
        afficher(arg2);  
    }  
});  
}  
  
private void ajouter() {  
    String pays = edPays.getText().toString();  
    adpPays.add(pays);  
    edPays.setText("");  
}  
  
protected void vider() {  
    adpPays.clear();  
}  
protected void afficher(int indice) {  
    String pays = adpPays.getItem(indice);  
    Toast.makeText(getApplicationContext(), pays, Toast.LENGTH_LONG).show();  
}  
}
```

Animaux

```
package com.animaux;
```

```
public class Animal {  
    private String nom;  
    private int idImage;  
    private String poids;  
  
    public Animal(String nom, int idImage, String poids) {  
        super();  
        this.nom = nom;  
        this.idImage = idImage;  
        this.poids = poids;  
    }  
  
    public String getNom() {  
        return nom;  
    }  
  
    public int getIdImage() {  
        return idImage;  
    }  
  
    public String getPoids() {  
        return poids;  
    }  
}
```

```
package com.animaux;
```

```
//imports  
public class MainActivity extends Activity {  
    private TextView tvNom;  
    private ImageView imgAnimal;  
    private TextView tvPoids;  
    private ImageButton btnPrecedent;  
    private ImageButton btnSuivant;  
    private int indice;  
    private Animal[] tAnimal = new Animal[] { new Animal("Eléphant", R.drawable.elephant, "5-7  
tonnes"),  
        new Animal("Lion", R.drawable.lion, "375 kg"), new Animal("Panda", R.drawable.panda, "160  
kg"),  
        new Animal("Renard", R.drawable.renard, "6 kg"), new Animal("Toucan", R.drawable.toucan,  
        "540 à 860 g") };
```

```
@Override  
protected void onCreate(Bundle savedInstanceState) {  
    super.onCreate(savedInstanceState);  
    setContentView(R.layout.activity_main);  
    init();  
}
```

```

private void init() {
    tvNom = (TextView) findViewById(R.id.tvNom);
    imgAnimal = (ImageView) findViewById(R.id.imgAnimal);
    tvPoids = (TextView) findViewById(R.id.tvPoids);
    btnPrecedent = (ImageButton) findViewById(R.id.btnPrecedent);
    btnSuivant = (ImageButton) findViewById(R.id.btnSuivant);
    indice = 0;
    actualiser();
    ajouterEcouteurs();
}

private void ajouterEcouteurs() {
    btnPrecedent.setOnClickListener(new OnClickListener() {

        @Override
        public void onClick(View arg0) {
            precedent();
        }
    });
    btnSuivant.setOnClickListener(new OnClickListener() {

        @Override
        public void onClick(View arg0) {
            suivant();
        }
    });
}

protected void precedent() {
    if (indice > 0)
        indice--;
    else
        indice = tAnimal.length - 1;
    actualiser();
}

protected void suivant() {
    indice = (indice + 1) % tAnimal.length;
    actualiser();
}

private void actualiser() {
    tvNom.setText(tAnimal[indice].getNom());
    imgAnimal.setImageResource(tAnimal[indice].getIdImage());
    tvPoids.setText(tAnimal[indice].getPoids());
}
}

```