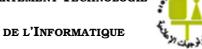
DEPARTEMENT TECHNOLOGIE



Correction TP03

Matière: Atelier Developpement Mobile 1 | Classes: SEM21

Pays

```
package com.pays;
//imports
public class MainActivity extends Activity {
 private EditText edPays;
 private Button btnAjouter;
 private Button btnVider;
 private ListView IstPays;
 private ArrayAdapter<String> adpPays;
 @Override
 protected void onCreate(Bundle savedInstanceState) {
  super.onCreate(savedInstanceState);
  setContentView(R.layout.activity_main);
  initGraphique();
 private void initGraphique () {
               = findViewById(R.id.edPays);
  edPays
  btnAjouter = findViewById(R.id.btnAjouter);
  btnVider
              = findViewById(R.id.btnVider);
               = findViewById(R.id.lstPays);
  IstPays
  adpPays = new ArrayAdapter<String>(this, android.R.layout.simple_list_item_1);
  IstPays.setAdapter(adpPays);
  ajouterEcouteur();
 private void ajouterEcouteur() {
  btnAjouter.setOnClickListener(view -> ajouter());
  btnVider.setOnClickListener(view -> vider());
  lstPays.setOnItemClickListener(arg0, arg1, position, arg3 -> afficher(position));
 }
 private void ajouter() {
  String pays = edPays.getText().toString();
  if(!pays.isBlank()){
       adpPays.add(pays);
       edPays.setText("");
 }
```

```
protected void afficher(int indice) {
  String pays = adpPays.getItem(indice);
  Toast.makeText(getApplicationContext(), pays, Toast.LENGTH_LONG).show();
 }
 protected void vider() {
         //Création d'un Builder
           AlertDialog.Builder b = new AlertDialog.Builder(AlertDialogActivity.this);
         //Changer titre
         b.setTitle("Vider?");
         //Changer message
                   b.setMessage("Etes vous sûr de vider la liste?");
         //Changer icône
         b.setIcon(R.drawable.vider);
         //Bouton positif
                    b.setPositiveButton("Oui", new DialogInterface.OnClickListener() {
                       public void onClick(DialogInterface dialog, int which) {
                       adpPays.clear();
                       }
                    });
         //Bouton négatif
                    b.setNegativeButton("Non", new DialogInterface.OnClickListener() {
                       public void onClick(DialogInterface dialog, int which) {
                    });
         //Creation et affichage de l'AlertDialog
         AlertDialog alertDialog = b.create();
         alertDialog.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) {
  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);
  initGraphique();
 }
```

```
private void initGraphique () {
              = findViewById(R.id.tvNom);
 tvNom
 imgAnimal
              = findViewById(R.id.imgAnimal);
              = findViewById(R.id.tvPoids);
 tvPoids
 btnPrecedent = findViewById(R.id.btnPrecedent);
 btnSuivant = findViewById(R.id.btnSuivant);
 indice = 0;
 actualiser();
 ajouterEcouteurs();
}
private void ajouterEcouteurs() {
 btnPrecedent.setOnClickListener(view -> precedent());
 btnSuivant.setOnClickListener(view -> 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());
}
```

}