Exercice

MainActivity

```java
private void ajouterEcouteur() {
    btnE.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            enregistrer();
        }
    });
    btnA.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            afficher();
        }
    });
}

private void recuperer() {
    SharedPreferences p = getSharedPreferences("alarme", Context.MODE_PRIVATE);
    edT.setText(p.getString("temps", ""));
    spS.setSelection(p.getInt("sonnerie", 0));
    seekV.setProgress(p.getInt("volume", 0));
    int r = p.getInt("repetition", 0);
    switch (r) {
        case 0:
            rdgR.check(R.id.rdA);
            break;
        case 1:
            rdgR.check(R.id.rdU);
            break;
        case 2:
            rdgR.check(R.id.rdD);
            break;
    }
}
private void enregistrer() {
    if(!edT.getText().toString().isEmpty()) {
        SharedPreferences p = getSharedPreferences("alarme", Context.MODE_PRIVATE);
        SharedPreferences.Editor ed = p.edit();
        ed.putString("temps", edT.getText().toString());
        ed.putInt("sonnerie", spS.getSelectedItemPosition());
        ed.putInt("volume", seekV.getProgress());
        switch (rdgR.getCheckedRadioButtonId()) {
            case R.id.rdA:
                ed.putInt("repetition", 0);
                break;
            case R.id.rdU:
                ed.putInt("repetition", 1);
                break;
            case R.id.rdD:
                ed.putInt("deux", 1);
                    break;
```

```
        }
        ed.commit();
    }else{
        Toast.makeText(this, "Remplir le temps SVP!", Toast.LENGTH_LONG).show();
    }
}

private void afficher() {
    String message = "Alarme! \n";
    message += "Temps: " + edT.getText().toString() + "\n";
    message += "Sonnerie: " + spS.getSelectedItem() + "\n";
    message += "Volume: " + seekV.getProgress() + "\n";
    switch (rdgR.getCheckedRadioButtonId()) {
        case R.id.rdA:
            message += "Répétition: Aucune\n";
            break;
        case R.id.rdU:
            message += "Répétition: Une fois\n";
            break;
        case R.id.rdD:
            message += "Répétition: Deux fois\n";
            break;

    }
    Toast.makeText(this, message, Toast.LENGTH_LONG).show();
}
```

Problème
MainActivity

```java
private void ajouterEcouteurs() {
    btnA.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            ajouter();
        }
    });btnST.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            supprimerTout();
        }
    });
    lstL.setOnItemLongClickListener(new AdapterView.OnItemLongClickListener() {
        @Override
        public boolean onItemLongClick(AdapterView<?> parent, View view, int position, long id) {
            detailler(position);
            return false;
        }
    });
}
private void ajouter() {
    Intent i = new Intent(this, Ajout.class);
    startActivityForResult(i, ACTION_AJOUT);
}
private void supprimerTout() {
    AlertDialog.Builder ab = new AlertDialog.Builder(MainActivity.this);
    ab.setTitle("Supprimer tout!");
    ab.setMessage("Etes-vous sûr de vouloir supprimer toutes les locations?");
    ab.setPositiveButton("Oui", new DialogInterface.OnClickListener() {
        public void onClick(DialogInterface dialog, int id) {
            adpL.clear();
        }
    });
    ab.setNegativeButton("Non", new DialogInterface.OnClickListener() {
        public void onClick(DialogInterface dialog, int id) {
            dialog.cancel();
        }
    });

    AlertDialog a = ab.create();
    a.show();
}
private void detailler(int position) {
    Intent i = new Intent(this, DetailLocation.class);
    i.putExtra("agence", edA.getText().toString());
    i.putExtra("prixJour", Integer.parseInt(edPJ.getText().toString()));
    Location l=adpL.getItem(position);
    i.putExtra("personne",l.getPersonne());
    i.putExtra("voiture",l.getVoiture());
    i.putExtra("nbJours",l.getNbJours());
    startActivity(i);
}
```

```java
    @Override
    protected void onActivityResult(int requestCode, int resultCode, Intent data) {
        if(requestCode==ACTION_AJOUT && resultCode==RESULT_OK){
            String p = data.getStringExtra("personne");
            String v = data.getStringExtra("voiture");
            int nbJ = data.getIntExtra("nbJours",0);
            Location l = new Location(p,v,nbJ);
            adpL.add(l);
        }
        super.onActivityResult(requestCode, resultCode, data);
    }
```

Ajout

```java
private void ajouterEcouteurs() {
    btnV.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            valider();
        }
    });
    btnA.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            annuler();
        }
    });

}
    private void valider() {
        String p= edP.getText().toString();
        String v= edV.getText().toString();
        String nbJ= edNbJ.getText().toString();
        if(!p.isEmpty()&&!v.isEmpty()&&!nbJ.isEmpty()) {
            Intent i = new Intent();
            i.putExtra("personne",p);
            i.putExtra("voiture",v);
            i.putExtra("nbJours",Integer.parseInt(nbJ));
            setResult(RESULT_OK, i);
            finish();
        }else{
            Toast.makeText(this,"Remplir tous les chapms de SVP!",Toast.LENGTH_LONG).show();
        }
    }

    private void annuler() {
        setResult(RESULT_CANCELED);
        finish();
    }
```
DetailLocation

```java
private void remplirDetail() {
    String detail="";
    detail+="Agence: "+getIntent().getStringExtra("agence")+"\n";
    detail+="Personne: "+getIntent().getStringExtra("personne")+"\n";
    detail+="Voiture: "+getIntent().getStringExtra("voiture")+"\n";
    int prixJour=getIntent().getIntExtra("prixJour",0);
    int nbJour=getIntent().getIntExtra("nbJours",0);
    detail+="Total à payer : "+nbJour+"*"+prixJour+"="+nbJour*prixJour+"DT";
    tvD.setText(detail);
}
```