Iset Sfax
AU 2022/2023 S1

Departement Technologie de l'Informatique

TD09 Correction

Matière : Developpement Mobile Avance	**Classes : SEM31**

"JFDomotique"

```
private void lancerServeur() {
  Runnable r = new Runnable() {
      @Override
      public void run() {
        demmarerServeur();
      }
    };
    Thread th = new Thread(r);
    th.start();
 }
 private void demarrerServeur() {
     try {
      ss = new ServerSocket(PORT);
      s = ss.accept();
      br = new BufferedReader(new InputStreamReader(s.getInputStream()));
      while (true) {
        String cmd;
        cmd = br.readLine();
        execterCommande(cmd);
      }
    } catch (IOException e) {
      e.printStackTrace();
    }
 }
 private void executerCommande(String commande) {
  String[] t = commande.split(":");
  if (t.length > 1) {
   int type = Integer.parseInt(t[0]);
   int valeur = Integer.parseInt(t[1]);
   switch (type) {
   case 0:
    if (t[1] == 0)
     eteindreLampe();
    else
     allumerLampe();
    break;
   case 1:
    if (t[1] == 0)
     eteindreClimatiseur();
    else if (t[1] == 1)
     allumerClimatiseur();
    else if (t.length > 2)
     reglerTemperature(t[2]);
    break;
   }
  }
 }
```

"MainActivity"

```
 private void lancerThreadClient() {
       Runnable r = new Runnable() {
          @Override
          public void run() {
              demmarerClient();
          }

      };
      Thread th = new Thread(r);
      th.start();
 }
 protected void demarrerClient() {
       try {
          Inet4Address i = (Inet4Address)   Inet4Address.getByName(edAdresse.getText().toString());
          s = new Socket(i, Integer.parseInt(edPort.getText().toString()));
          pw = new PrintWriter(new BufferedWriter(new OutputStreamWriter
                                  (s.getOutputStream())), true);
      } catch (UnknownHostException e) {
          e.printStackTrace();
      } catch (IOException e) {
          e.printStackTrace();
      }
 }
 private void envoyer(final String cmd) {
      Runnable r = new Runnable() {
          @Override
          public void run() {
              if (pw != null) {
                  pw.println(cmd);
              }
          }
      };
      Thread th = new Thread(r);
      th.start();

   }

 private void allumerLampe() {
    envoyer("0:1");
 }
 protected void eteindreLampe() {
   envoyer("0:0");
 }
 protected void allumerClim() {
    envoyer("1:1");
 }
 protected void eteindreClim() {
   envoyer("1:0");
 }
 protected void reglerTemperatureClim() {
   envoyer("1:2:" + seekTemp.getProgress());
 }
}
```