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();
             executerCommande(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());
 }
}
```