

```

public List<Medie> calculeazaMedii() throws ClasaException {
    // TODO Auto-generated method stub
1   List<Medie> medii = new LinkedList<Medie>();
2   if(clasa.size() >= 0) {
3       for(Elev elev : clasa.keySet()) {
4           Medie medie = new Medie();
5           medie.setElev(elev);
6           int nrMaterii = 0;
7           double sumaMedii = 0;
8           double medieElev = 0;
9           for(String materie : clasa.get(elev).keySet()) {
10              nrMaterii++;
11              List<Double> noteElev = clasa.get(elev).get(materie);
12              int nrNote = noteElev.size();
13              int i = 0;
14              double suma = 0;
15              if(nrNote >= 0) {
16                  while(i < nrNote) {
17                      double nota = noteElev.get(i);
18                      suma += nota;
19                      i++;
20                  }
21                  sumaMedii = sumaMedii + suma/i;
22              }
23              medieElev = sumaMedii / nrMaterii;
24              medie.setMedie(medieElev);
25              medii.add(medie);
26          }
27      }
28      else
29          throw new ClasaException(Constants.emptyRepository);
30      return medii;
31  }
}

```