**Subiectul I:**

1. **B**
2. **D**
3. **A**
4. **C**
5. **C**

**Subiectul II:**

**LinkedList<Automobil> la = new LinkedList<>();**

**la.add(new Automobil("BMW", "X5", 2000.5, 5000));**

**la.add(new Automobil("Mercedes", "E Class", 3500, 6000));**

**la.add(new Automobil("BMW", "X6", 2800.75, 4500));**

**la.stream().forEach(System.out::println);**

**la.stream().filter(a -> a.getPret() >= 5000). sorted(Comparator.comparing(Automobil::getPret).reversed()).forEach(System.out::println);**

**la.stream().map(Automobil::getMarca).distinct().forEach(System.out::println);**

**List<Automobil> ln = la.stream().**

**filter(a -> a.getCapacitate() >= 2000 && a.getCapacitate() <= 3000).**

**collect(Collectors.toList());**

**la.stream().collect(groupingBy(Automobil::getMarca)).**

**forEach((m,lm) -> {**

**System.out.print(m + ": ");**

**lm.stream().map(Automobil::getModel).**

**forEach(x -> System.out.print(x + ", "));**

**System.out.println();**

**});**

**Subiectul III:**

**class FirNumarare extends Thread**

**{**

**private String numeFisier;**

**private String cuvantCautat;**

**private int nrAparitii;**

**public FirNumarare (String numeFisier, String cuvantCautat)**

**{**

**this.numeFisier = numeFisier;**

**this.cuvantCautat = cuvantCautat;**

**this.nrAparitii = 0;**

**}**

**public int getNrAparitii()**

**{**

**return nrAparitii;**

**}**

**@Override**

**public void run()**

**{**

**Scanner in = new Scanner(new File(numeFisier));**

**while(in.hasNextLine())**

**{**

**String linie = in.nextLine();**

**String []cuvinte = linie.split("[ .,\n]+");**

**for(int i = 0; i < cuvinte.length; i++)**

**if(cuvinte[i].equals(cuvantCautat))**

**nrAparitii++;**

**}**

**in.close();**

**}**

**public class NumarareCuvinteFisier**

**{**

**public static void main(String[] args)**

**{**

**Scanner in = new Scanner(System.in);**

**System.out.println("Cuvantul cautat: ");**

**String cuv = in.next();**

**FirNumarare f\_1 = new FirNumarareCuvinteFisier("exemplu\_1.txt" , cuv);**

**FirNumarare f\_2 = new FirNumarareCuvinteFisier("exemplu\_2.txt" , cuv);**

**FirNumarare f\_3 = new FirNumarareCuvinteFisier("exemplu\_3.txt" , cuv);**

**f\_1.start();**

**f\_1.join();**

**f\_2.start();**

**f\_2.join();**

**f\_3.start();**

**f\_3.join();**

**int t = f\_1.getNrAparitii() + f\_2.getNrAparitii() + f\_3.getNrAparitii();**

**System.out.println("Cuvantul " + cuv + " apare de " + t + " ori in fisierele date!");**

**}**

**}**

**Subiectul IV:**

**public class SalariiAngajati extends HttpServlet**

**{**

**Connection conn = null;**

**@Override**

**public void init() throws ServletException**

**{**

**try**

**{**

**conn = DriverManager.getConnection("jdbc:derby://localhost:1527/Angajati",**

**"root", "12345");**

**} catch (SQLException ex){}**

**}**

**@Override**

**public void destroy()**

**{**

**try {**

**if(conn != null)**

**conn.close();**

**} catch (SQLException ex) {}**

**}**

**@Override**

**protected void doGet(HttpServletRequest request, HttpServletResponse response)**

**throws ServletException, IOException**

**{**

**try (PrintWriter out = response.getWriter())**

**{**

**out.println("<html>");**

**out.println("<body>");**

**float min = Float.parseFloat(request.getParameter("min"));**

**PreparedStatement pst = null;**

**ResultSet rs = null;**

**try**

**{**

**pst = conn.prepareStatement("SELECT \* FROM Angajati WHERE Salariu > ?");**

**pst.setFloat(1 , min);**

**rs = pst.executeQuery();**

**while(rs.next())**

**out.println("<h1>" + rs.getString("Nume") + " " + rs.getFloat("Salariu")**

**+ " " + rs.getInt("Varsta"));**

**} catch (SQLException ex) { }**

**finally**

**{**

**try {**

**if(rs != null) rs.close();**

**if(pst != null) pst.close();**

**} catch (SQLException ex) {}**

**}**

**out.println("</body>");**

**out.println("</html>");**

**}**

**}**

**}**