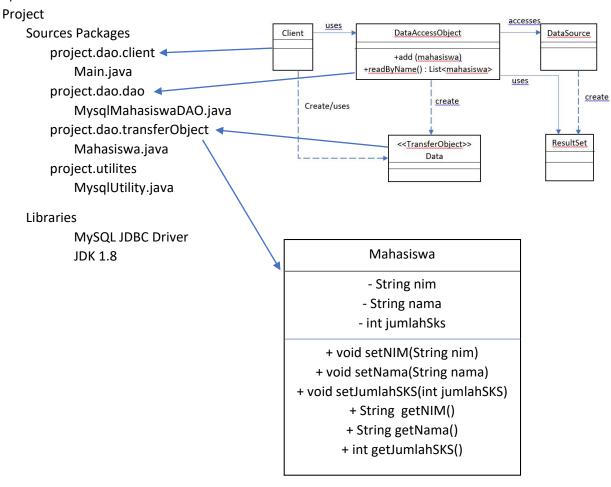


```
2. a)
    List < Item > rakBuku = new ArrayList <> ();
    rakBuku.add(buku);
    rakBuku.add(jurnal);
    rakBuku.add(icicos);
    b)
    for (Item item : rakBuku){
        if (item instanceof Jurnal){
               item.hitungBiayaSewa();
       }
    }
3. try {
       // Statement
   } catch (NumberFormatException e) {
   } catch (ArithmaticException e) {
   } catch (FileNotFoundException e) {
   } catch (IOException e) {
   } catch (Exception e) {
   }
```

## 4. a)



```
b) public void insert(mahasiswa mhs){
        Statement statement = null;
       try {
              statement = koneksi.createStatement();
              String sql = "INSERT into mahasiswa(nim, nama, jumlahSKS) VALUES(' " + mhs.getNIM() +
        "','" + mhs.getNama() + "'," + man.getJumlahSKS() +"')";
              if (statement.executeUpdate(sql) > 0) {
                System.out.println("Berhasil insert");
              } else {
                System.out.println("Gagal insert");
            } catch (SQLException ex) {
              System.out.println("SQLException: " + ex.getMessage());
            } finally {
              if (statement != null) {
                try {
                   statement.close();
                } catch (SQLException ex) {
                   System.out.println("Gagal menutup statement");
                }
              }
            }
  }
```

```
public List<mahasiswa> selectByNama() {
    Statement statement = null;
    ResultSet result = null;
    List<mahasiswa> list = new ArrayList<>();
    try {
      statement = koneksi.createStatement();
      String sql = "SELECT * FROM mahasiswa ORDER nama DESC";
      result = statement.executeQuery(sql);
      while (result.next()) {
         mahasiswa mhs = new mahasiswa("", "", 0);
        mhs.setNIM(result.getString("nim"));
        mhs.setNama(result.getString("nama"));
        mhs.setJumlahSKS(result.getInt("jumlahSKS"));
        list.add(mhs);
      }
      return list;
    } catch (SQLException ex) {
      System.out.println("SQLException: " + ex.getMessage());
      System.out.println("Objek Statement berhasil dibuat");
      System.out.println("Objek Statement gagal dibuat");
      return null;
    } finally {
      if (statement != null) {
        try {
          statement.close();
        } catch (SQLException ex) {
          System.out.println("Gagal menutup statement");
        }
      }
      if (result != null) {
        try {
          result.close();
        } catch (SQLException ex) {
          System.out.println("ResultSet gagal ditutup");
        }
      }
    }
  }
```

Nb: jawaban belum tentu 100% benar, maaf jika ada kesalahan