```java
package queries;

import java.util.List;

import javax.persistence.EntityManager;
import javax.persistence.EntityManagerFactory;
import javax.persistence.Persistence;
import javax.persistence.criteria.CriteriaBuilder;
import javax.persistence.criteria.CriteriaQuery;
import javax.persistence.criteria.Root;

public class QueryByCriteria {

    public static void main(String[] args) {
        EntityManagerFactory emf = Persistence.createEntityManagerFactory("mssqlserver_pubs_query");
        EntityManager em = emf.createEntityManager();

        CriteriaBuilder cb = em.getCriteriaBuilder();
        CriteriaQuery<Title> cr = cb.createQuery(Title.class);
        Root<Title> root = cr.from(Title.class);
        cr.select(root).where(cb.between(root.get("price"), 10, 20));

        var query = em.createQuery(cr);
        List<Title> titles = query.getResultList();

        for (var t : titles)
            System.out.printf("%s %f\n", t.getTitle(), t.getPrice());
        em.close();
        emf.close();

    }

}
```