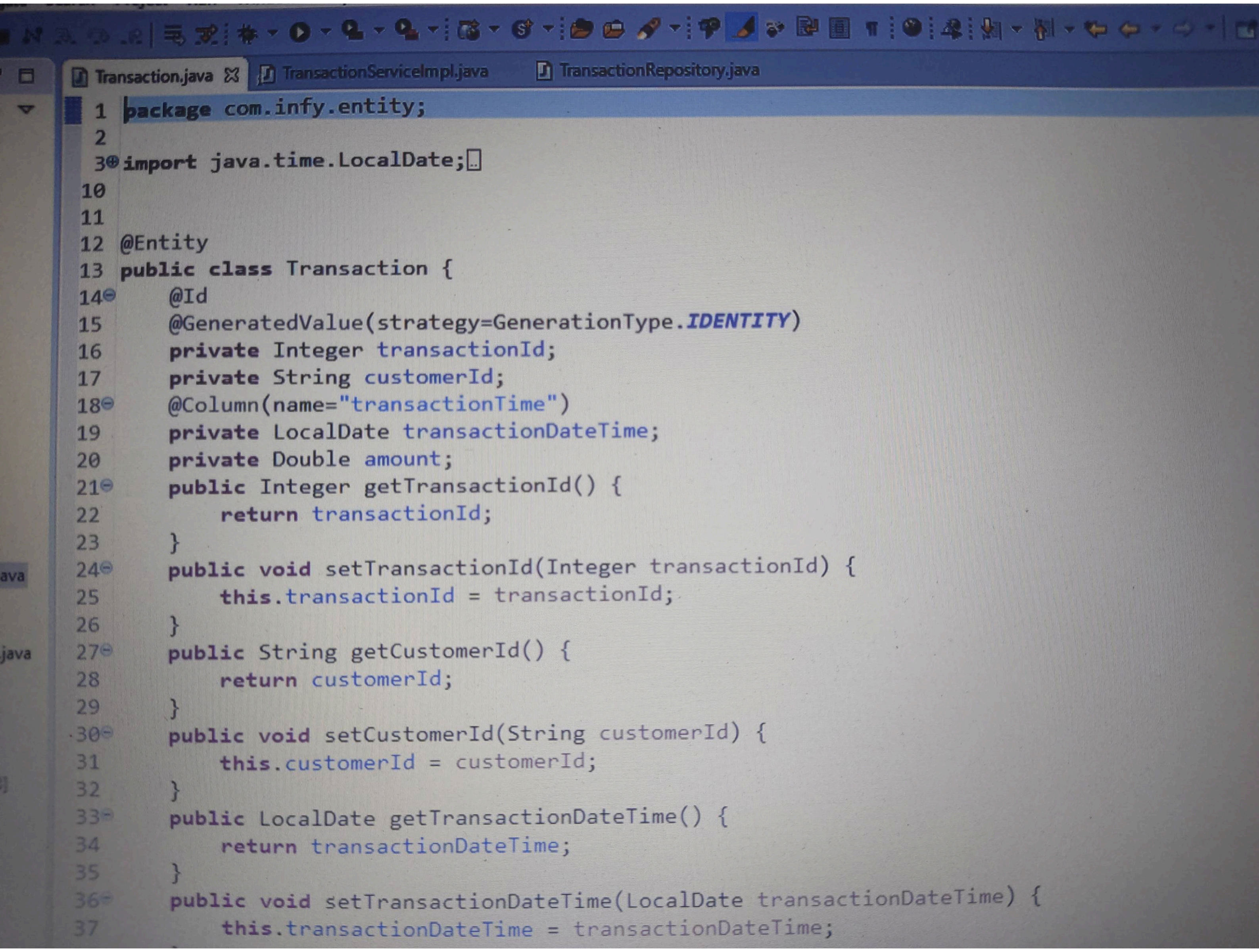
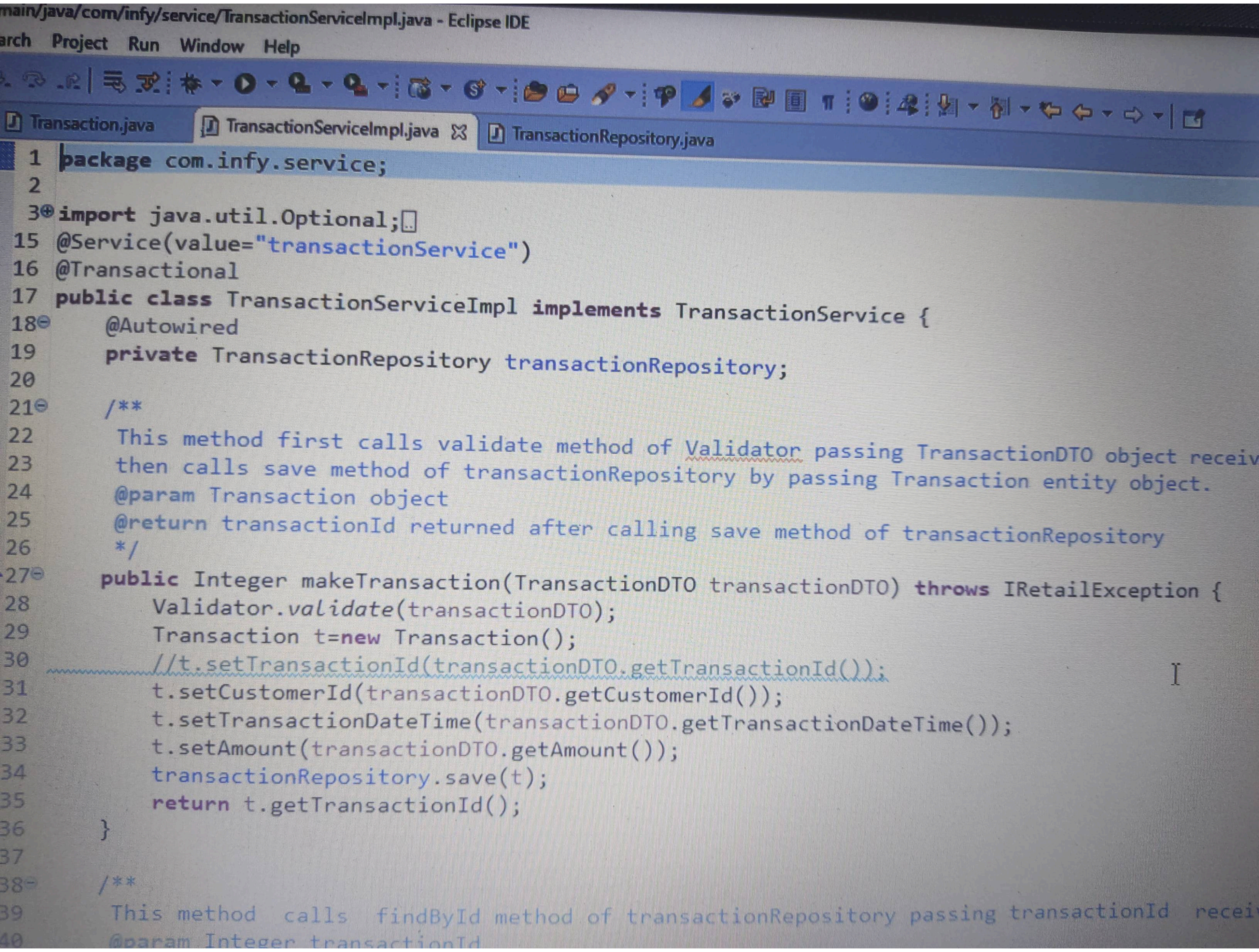


```java
package com.infy.entity;

import java.time.LocalDate;


@Entity
public class Transaction {
    @Id
    @GeneratedValue(strategy=GenerationType.IDENTITY)
    private Integer transactionId;
    private String customerId;
    @Column(name="transactionTime")
    private LocalDate transactionDateTime;
    private Double amount;
    public Integer getTransactionId() {
        return transactionId;
    }
    public void setTransactionId(Integer transactionId) {
        this.transactionId = transactionId;
    }
    public String getCustomerId() {
        return customerId;
    }
    public void setCustomerId(String customerId) {
        this.customerId = customerId;
    }
    public LocalDate getTransactionDateTime() {
        return transactionDateTime;
    }
    public void setTransactionDateTime(LocalDate transactionDateTime) {
        this.transactionDateTime = transactionDateTime;
```


main/java/com/infy/service/TransactionServiceImpl.java - Eclipse IDE
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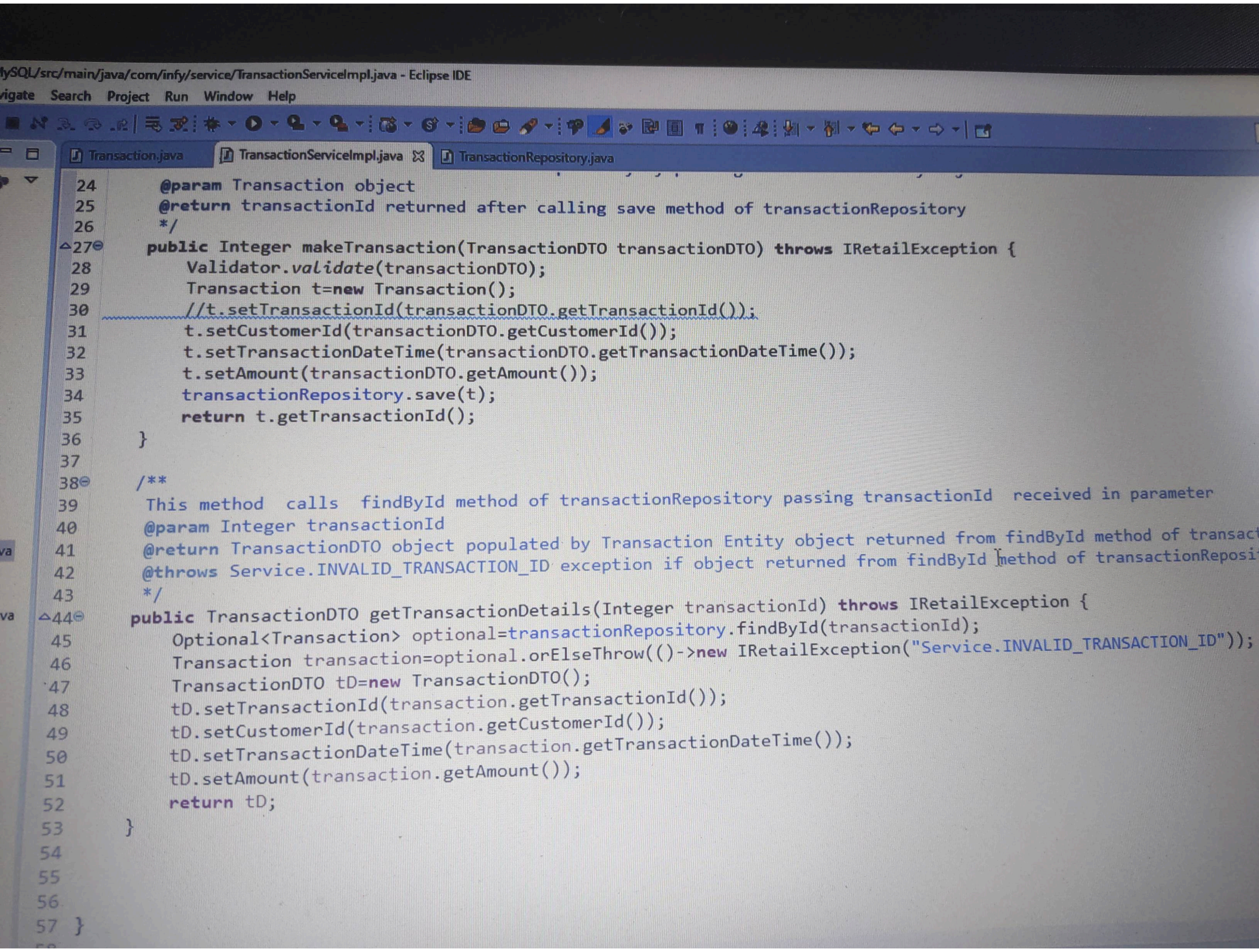
Transaction.java
TransactionServiceImpl.java
TransactionRepository.java

```
package com.infy.service;

import java.util.Optional;
@Service(value="transactionService")
@Transactional
public class TransactionServiceImpl implements TransactionService {
    @Autowired
    private TransactionRepository transactionRepository;

    /**
     This method first calls validate method of Validator passing TransactionDTO object receiv
     then calls save method of transactionRepository by passing Transaction entity object.
     @param Transaction object
     @return transactionId returned after calling save method of transactionRepository
     */
    public Integer makeTransaction(TransactionDTO transactionDTO) throws IRetailException {
        Validator.validate(transactionDTO);
        Transaction t=new Transaction();
        //t.setTransactionId(transactionDTO.getTransactionId());
        t.setCustomerId(transactionDTO.getCustomerId());
        t.setTransactionDateTime(transactionDTO.getTransactionDateTime());
        t.setAmount(transactionDTO.getAmount());
        transactionRepository.save(t);
        return t.getTransactionId();
    }

    /**
     This method  calls  findById method of transactionRepository passing transactionId  recei
     @param Integer transactionId
```



lySQL/src/main/java/com/infy/service/TransactionServiceImpl.java - Eclipse IDE
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Transaction.java
TransactionServiceImpl.java
TransactionRepository.java

```
    @param Transaction object
    @return transactionId returned after calling save method of transactionRepository
    */
   public Integer makeTransaction(TransactionDTO transactionDTO) throws IRetailException {
       Validator.validate(transactionDTO);
       Transaction t=new Transaction();
       //t.setTransactionId(transactionDTO.getTransactionId());
       t.setCustomerId(transactionDTO.getCustomerId());
       t.setTransactionDateTime(transactionDTO.getTransactionDateTime());
       t.setAmount(transactionDTO.getAmount());
       transactionRepository.save(t);
       return t.getTransactionId();
   }

   /**
    This method  calls  findById method of transactionRepository passing transactionId  received in parameter
    @param Integer transactionId
    @return TransactionDTO object populated by Transaction Entity object returned from findById method of transac
    @throws Service.INVALID_TRANSACTION_ID exception if object returned from findById method of transactionReposi
    */
   public TransactionDTO getTransactionDetails(Integer transactionId) throws IRetailException {
       Optional<Transaction> optional=transactionRepository.findById(transactionId);
       Transaction transaction=optional.orElseThrow(()->new IRetailException("Service.INVALID_TRANSACTION_ID"));
       TransactionDTO tD=new TransactionDTO();
       tD.setTransactionId(transaction.getTransactionId());
       tD.setCustomerId(transaction.getCustomerId());
       tD.setTransactionDateTime(transaction.getTransactionDateTime());
       tD.setAmount(transaction.getAmount());
       return tD;
   }



}
```