```java
28@ @GetMapping(value="ride/{pickupLocation}/{dropLocation}")
29  String getEstimatedFare(@PathVariable String pickupLocation , @PathVariable String dropLocation)
30  throws InfyRideException{
31      String successMessage=infyRideService.getEstimatedFare(pickupLocation.trim(), dropLocation.trim());
32      return successMessage;
33
34  }
35@ @PostMapping(value="/ride")
36  String bookRide(@Valid @RequestBody RideDTO rideDTO)
37  throws InfyRideException{
38      String successMessage=infyRideService.bookRide(rideDTO);
39      return successMessage;
40  }
41@ @PutMapping(value="ride/{rideId}/{newPickupLocation}")
42  String updateRide(@PathVariable @Min(value=1,message="{ride.rideid.invalid}") int rideId , @PathVariable String new
43  throws InfyRideException{
44      String successMessage=infyRideService.updateRide(rideId, newPickupLocation);
45
46      return successMessage;
47  }
48@ @DeleteMapping(value="ride/{rideId}")
49  String cancelRide(@PathVariable @Min(value=1,message="{ride.rideid.invalid}") int rideId ,@RequestBody CancelBookir
50  throws InfyRideException{
51      String successMessage=infyRideService.cancelRide(rideId, cancelBookingDTO);
52
53      return successMessage;
54  }
55
56  }
57
```

🔲 Markers 🔲 Properties 🔲 Servers 🔲 Data Source Explorer 🔲 Snippets 🔲 Console ⌗

InfyRideApplication [Java Application] /usr/lib/jvm/java-8-openjdk-amd64/bin/java (Sep 2, 2022, 8:37:00 AM)
```
-------- Starting ProtocolHandler ["http-nio-2222"]
08:37:08.122 [main]        INFO
                  -------- Tomcat started on port(s): 2222 (http) with context path '/InfyRide'
08:37:08.137 [main]        INFO
                  -------- Started InfyRideApplication in 7.277 seconds (JVM running for 7.967)
```

```java
35⊖    @Override
36     public String getEstimatedFare(String pickupLocation, String dropLocation) throws InfyRideException {
37
38         FareEntity fareEntity = fareRepository.getByPickupLocationIgnoreCaseAndDropLocationIgnoreCase(pickupLoca
39             dropLocation);
40
41         if (fareEntity == null)
42             throw new InfyRideException(InfyRideConstants.INFYRIDE_PICKUPTODROPLOCATION_NOT_FOUND.toString());
43
44         return environment.getProperty(InfyRideConstants.INFYRIDE_GETESTIMATED_FARE_SUCCESS.toString())
45             + fareEntity.getFare();
46     }
47
48     //Implement this method as per the instructions given in Question Paper.
49⊖    @Override
50     public String bookRide(RideDTO rideDTO) throws InfyRideException {
51         FareEntity fare=    fareRepository.getByPickupLocationIgnoreCaseAndDropLocationIgnoreCase(rideDTO.getPickupLo
52         if(fare==null) {
53             throw new InfyRideException(InfyRideConstants.INFYRIDE_PICKUPTODROPLOCATION_NOT_FOUND .toString());
54         }
55         RideEntity ride=new RideEntity();
56         ride.setStatus("BOOKED");
57         ride.setTotalFare(fare.getFare());
58         rideRepository.save(RideDTO.prepareRideEntity(rideDTO));
59         return environment.getProperty(InfyRideConstants.INFYRIDE_BOOKING_SUCCESS.toString())
60             + fare.getFare();
61
62
63 //    ride.setDropLocation(rideDTO.getDropLocation());
64 //    ride.setPickupLocation(rideDTO.getPickupLocation());
```
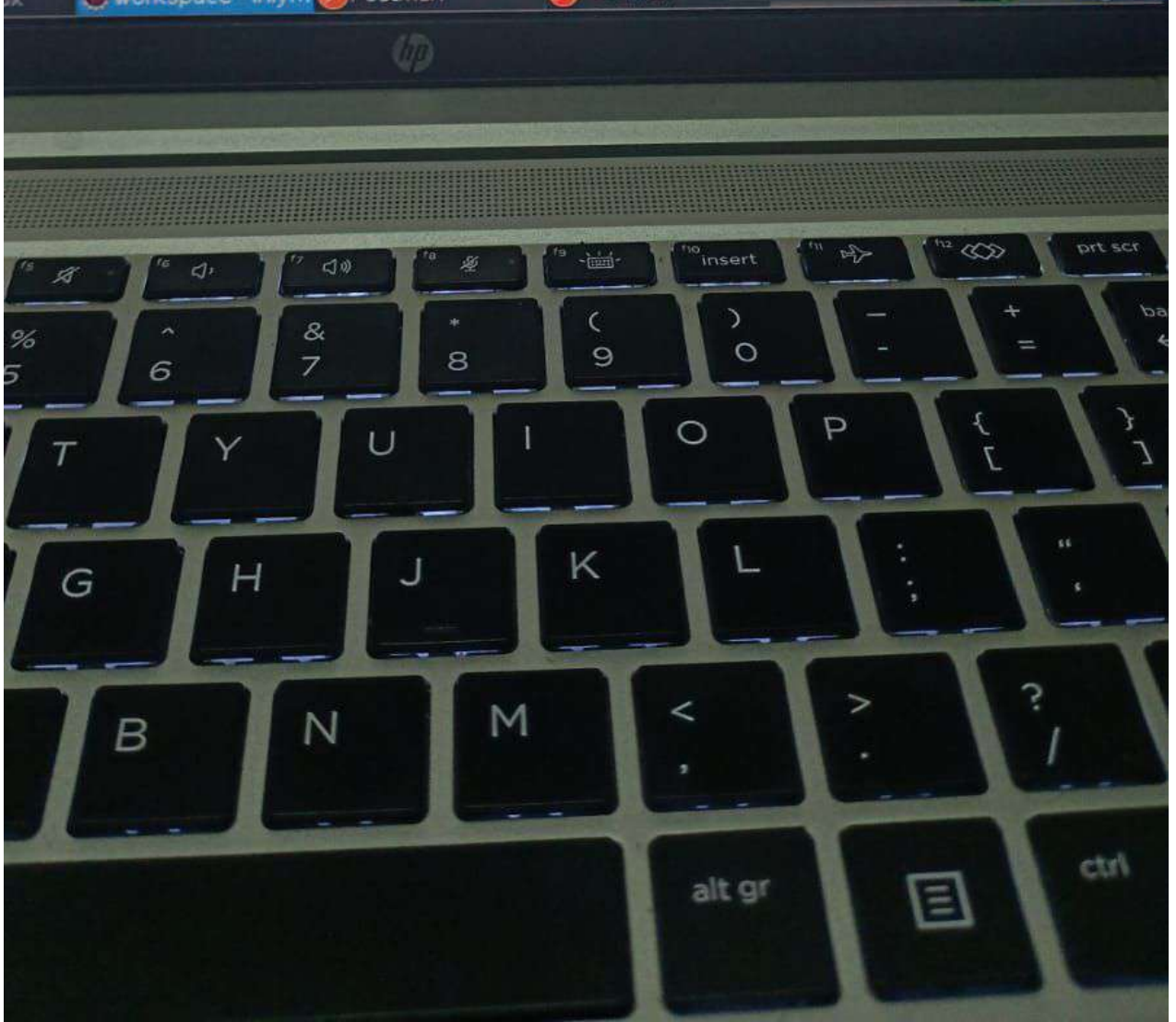
Markers | Properties | 🔀 Servers | 📋 Data Source Explorer | Snippets | 📟 Console ⊠

```
InfyRideApplication [java Application] /usr/lib/jvm/java-8-openjdk-amd64/bin/java (Sep 2, 2022, 8:37:00 AM)
                      -------- Starting ProtocolHandler ['http-nio-2222']
08:37:08.122 [main]      INFO
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08:37:08.137 [main]      INFO
                      -------- Started InfyRideApplication in 7.277 seconds (JVM running for 7.967)
```

Execute | View Result

```java
36      @Override
37      public String getEstimatedFare(String pickupLocation, String dropLocation) throws InfyRi
38
39          FareEntity fareEntity = fareRepository.getByPickupLocationIgnoreCaseAndDropLocationI
40              dropLocation);
41
42          if (fareEntity == null)
43              throw new InfyRideException(InfyRideConstants.INFYRIDE_PICKUPTODROPLOCATION_NOT_
44
45          return environment.getProperty(InfyRideConstants.INFYRIDE_GETESTIMATED_FARE_SUCCESS.
46              + fareEntity.getFare();
47      }
48
49      //Implement this method as per the instructions given in Question Paper.
50      @Override
51      public String bookRide(RideDTO rideDTO) throws InfyRideException {
52          FareEntity fare=    fareRepository.getByPickupLocationIgnoreCaseAndDropLocationIgnoreCas
53          if(fare==null) {
54              throw new InfyRideException(InfyRideConstants.INFYRIDE_PICKUPTODROPLOCATION_NOT_FOUN
55          }
56          RideEntity ride=new RideEntity();
57          ride.setStatus("BOOKED");
58          ride.setTotalFare(fare.getFare());
59          rideRepository.save(RideDTO.prepareRideEntity(rideDTO));
60          return environment.getProperty(InfyRideConstants.INFYRIDE_BOOKING_SUCCESS.toString())
61              + fare.getFare();
62
63  //  ride.setDropLocation(rideDTO.getDropLocation());
64  //  ride.setPickupLocation(rideDTO.getPickupLocation());
```

Markers | Properties | Servers | Data Source Explorer | Snippets | Console

InfyRideApplication [Java Application] /usr/lib/jvm/java-8-openjdk-amd64/bin/java (Sep 2, 2022, 8:37:00 AM)
-------- Starting ProtocolHandler ["http-nio-2222"]
08:37:08.122 [main]   INFO
-------- Tomcat started on port(s): 2222 (http) with context path '
08:37:08.137 [main]   INFO
-------- Started InfyRideApplication in 7.277 seconds (JVM r

Execute   View Result

```java
52          return new ResponseEntity<>(errorInfo,HttpStatus.BAD_REQUEST);
53      }
54
65      /**
66       * Exception handler for MethodArgumentNotValidException and
67       * ConstraintViolationException.
68       *
69       * @param exception
70       * @return the error information with error code and error message
71       */
72      @ExceptionHandler({MethodArgumentNotValidException.class,ConstraintViolationExce
73      public ResponseEntity<ErrorInfo> exceptionHandler(Exception ex) {
74
75          logger.error(ex.getMessage(), ex);
76
77          String errorMsg;
78
79          if (ex instanceof MethodArgumentNotValidException) {
80          MethodArgumentNotValidException manve = (MethodArgumentNotValidException) ex
81              errorMsg = manve.getBindingResult().getAllErrors().stream().map(x -> x.ge
82                  .collect(Collectors.joining(", "));
83          } else {
84              ConstraintViolationException cve = (ConstraintViolationException) ex;
85
86              errorMsg = cve.getConstraintViolations().stream().map(x -> x.getMessage(
87                  .collect(Collectors.joining(", "));
88          }
89
90          ErrorInfo errorInfo = new ErrorInfo();
91          errorInfo.setErrorCode(HttpStatus.BAD_REQUEST.value());
```

Markers ☐ Properties ⚙ Servers ⚑ Data Source Explorer ☐ Snippets ☐ Console ⊠

InfyRideApplication [Java Application] /usr/lib/jvm/java-8-openjdk-amd64/bin/java (Sep 2, 2022, 8:37:00 AM)
```
08:37:08.122 [main]              INFO
                    -------- Tomcat started on port(s): 2222 (http) with context

08:37:08.137 [main]              INFO
                    -------- Started InfyRideApplication in 7.277 seconds (JVM r
```
Execute

```java
35⊜    @Override
36     public String getEstimatedFare(String pickupLocation, String dropLocation) throws InfyRideException {
37
38         FareEntity fareEntity = fareRepository.getByPickupLocationIgnoreCaseAndDropLocationIgnoreCase(pic
39             dropLocation);
40
41         if (fareEntity == null)
42             throw new InfyRideException(InfyRideConstants.INFYRIDE_PICKUPTODROPLOCATION_NOT_FOUND.toString
43
44         return environment.getProperty(InfyRideConstants.INFYRIDE_GETESTIMATED_FARE_SUCCESS.toString())
45             + fareEntity.getFare();
46     }
47
48     //Implement this method as per the instructions given in Question Paper.
49⊜    @Override
50     public String bookRide(RideDTO rideDTO) throws InfyRideException {
51     FareEntity fare=    fareRepository.getByPickupLocationIgnoreCaseAndDropLocationIgnoreCase(rideDTO.getF
52     if(fare==null) {
53         throw new InfyRideException(InfyRideConstants.INFYRIDE_PICKUPTODROPLOCATION_NOT_FOUND .toString())
54     }
55     RideEntity ride=new RideEntity();
56     ride.setStatus("BOOKED");
57     ride.setTotalFare(fare.getFare());
58     rideRepository.save(RideDTO.prepareRideEntity(rideDTO));
59     return environment.getProperty(InfyRideConstants.INFYRIDE_BOOKING_SUCCESS.toString())
60             + fare.getFare();
61
62
63     //   ride.setDropLocation(rideDTO.getDropLocation());
6^     //   ride.setPickupLocation(rideDTO.getPickupLocation());
```

🗎 Markers 🔲 Properties 🔧 Servers 🔩 Data Source Explorer 📄 Snippets 🖥 Console ⊠   ⬚ 🗗

🗎 🔘 🦊 Mozilla Firefox   ◉ workspace - Infy... 🟠 Postman   🟠 Postman   08:4(**Execute**

```java
12
13  /**
14   * The Class RideDTO.
15   *
16   */
17  public class RideDTO {
18
19      /** The pick up location */
20
21      @NotBlank(message="{ride.pickuplocation.notpresent}")
22      private String pickupLocation;
23
24      /** The drop location */
25      @NotBlank(message="{ride.droplocation.notpresent}")
26      private String dropLocation;
27
28      /** The ride date time */
29      @NotNull(message="{ride.datetime.notpresent}")
30      @FutureOrPresent(message="{ride.datetime.invalid}")
31      private LocalDateTime rideDateTime;
32
33      /**
34       * Gets the pickup location.
35       *
36       * @return the pickup location
37       */
38      public String getPickupLocation() {
39          return pickupLocation;
40      }
```

Markers Properties Servers Data Source Explorer Snippets Console

InfyRideApplication [Java Application] /usr/lib/jvm/java-8-openjdk-amd64/bin/java (Sep 2, 2022,
-------- Starting ProtocolHandler ["http-ni
08:37:08.122 [main]   INFO
-------- Tomcat started on port(s): 2222 (H
08:37:08.137 [main]   INFO
-------- Started InfyRideApplication in 7.2

Mozilla Firefox   workspace - Infy...   Postman   Postman

```java
35        *
36        * @param exception
37        * @return the error information with error code and error message
38        */
39⊝       @ExceptionHandler
40        public ResponseEntity<ErrorInfo> generalExceptionHandler(Exception ex) {
41            logger.error(ex.getMessage(),ex);
42            ErrorInfo errorInfo=new ErrorInfo();
43            errorInfo.setErrorCode(HttpStatus.INTERNAL_SERVER_ERROR.value());
44            errorInfo.setErrorMsg(environment.getProperty(InfyRideConstants.INFYRIDE_EXC
45
46            return new ResponseEntity<>(errorInfo,HttpStatus.INTERNAL_SERVER_ERROR);
47        }
48
49⊝       /**
50        * Exception handler for InfyRideException.
51        *
52        * @param exception
53        * @return the error information with error code and error message
54        */
55⊝       @ExceptionHandler
56        public ResponseEntity<ErrorInfo> infyRideExceptionHandler(InfyRideException ex)
57            logger.error(ex.getMessage(),ex);
58            ErrorInfo errorInfo=new ErrorInfo();
59            errorInfo.setErrorCode(HttpStatus.BAD_REQUEST.value());
60            errorInfo.setErrorMsg(environment.getProperty(ex.getMessage()));
61
62            return new ResponseEntity<>(errorInfo,HttpStatus.BAD_REQUEST);
63        }
64
```

Markers Properties Servers Data Source Explorer Snippets Console ⊠

InfyRideApplication [Java Application] /usr/lib/jvm/java-8-openjdk-amd64/bin/java (Sep 2, 2022, 8:37:00 AM)
```
08:37:08.122 [main]              INFO
                          -------- Tomcat started on port(s): 2222 (http) with contex
08:37:08.137 [main]              INFO
                          -------- Started InfyRideApplication in 7.277 seconds (JVM
```
Execu
08:38

efox   workspace - Infy...   Postman   Postman

Module	Success	Failed	Total
CancelBookingDTOTest	1	0	.1
RideDTOTest	2	1	3
InfyRideControllerConfigTest	5	1	6
ExceptionControllerAdviceTest	4	0	4
InfyRideServiceTest	2	0	2
InfyRideControllerTest	17	4	21
Total	31	6	37

Close