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| Arid Agriculture University Rawalpindi | Rawalpindi | **Pir Mehr Ali Shah Arid Agriculture University Rawalpindi**  **University Institute of Information Technology** |

**Assignment**

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| **Course Code** | CS-432 |
| **Course Title** | Modern Programming Languages |
| **Instructor’s Name** | Dr. Saif Ur Rehman |
| **Class/Section/Mor/Eve** | BSCS-5A Evening |
| **Assignment No** | 06 |
| **Due Date** | 01 January 2024 |

**Ercise Question No. 1** **Consider** the following database details:

**Server Name :** PIA\_DB\_SERVER**, User Id=** adminPIA **and Password :** zxc%12@

**DB Name :** dbPIA

**Table:**

**tblPassengerTravel** (**PassID**, FlightNo, PassangerName, TravellingFrom, TravellingTo, Date, Time, Fare)

**Create** a Java Form for adding the Passenger details to the above table details using the SWING class controls. Ask User to enter the details. While entering the record of Passenger to the database table it must be checked that!

* **FlighNo** is non-empty.
* **PassangerName** must not be less than 15 characters.
* **TravellingFrom** and **TravellingTo** must not be same City Name.
* Date must be greater than yesterday date.
* Fare must contain only numeric values

**Exercise Question No. 2** Suppose we have the following a table named “**tblOrderDetails** (OrderID, ItemName, Quantity, Price)” in the database named**db\_Super\_Store.** Your task is to code in Java to MySQL or Java to SQL Server for the following.

1. Add new record to database
2. Delete an existing record from database
3. Find how much quantity has been ordered upto now for Item Name = “Laptops”
4. Implement the Exception Handling where necessary. Your program also check that Quantity should not be less than 1

Item Name cannot be NULL as well as each Item Name length cannot be less than 5.

**Requirements: Prepare a Word Document and add the screen shot of the code and the output of the Code**