**20.Student Database Program**

**Aim :**

To write an R Program connect RStudio with a MySQL database using the RMySQL package and perform data retrieval and analysis

**Algorithm :**

**Step 1:** Start RStudio and load the required database libraries.

**Step 2:** Establish a connection to the MySQL database hosted in XAMPP.

**Step 3:** List all tables available in the connected database.

**Step 4:** Retrieve and display data from the Department, Student, Subject, and Transactions tables..

**Step 5:** Find the highest and lowest marks scored in each subject..

**Step 6:** Calculate the total marks obtained by each student in each subject across all departments.

**Step 7:** Compute the average marks for each subject within every department.

**Step 8:** Calculate the overall average marks for each department.

**Step 9:** Display the results of each analysis.

**Step 10:** Close the database connection

**OUTPUT:**







  
  
  
  


