Login to MariaDB

```
Setting environment for using XAMPP for Windows.
Stephen@STEPHEN-PC c:\xampp
# mysql -u root -p
Enter password:
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 9
Server version: 10.4.24-MariaDB mariadb.org binary distribution

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
```

1. Create database:

2. Creation of table:

```
MariaDB [(none)]> use test_Student;
Database changed
MariaDB [test_Student]> create table student(
    -> Student_ID char(3),
    -> Stu_Name char(10),
    -> Stu_Subject_ID char(6),
    -> Stu_Marks int,
    -> Stu_Age int);
Query OK, 0 rows affected (0.354 sec)
```

Description of Table student:

Changing the data-type for Student Name:

3. Insertion into table:

Display of all data from student table:

```
MariaDB [test_Student]> select * from student;
 Student_ID | Stu_Name | Stu_Subject_ID | Stu_Marks | Stu_Age |
           | Akhil | BCA101
 101
                                                 85 I
                                                           20 I
            | Balram | BCA104
 102
                                                 78 I
                                                           19 I
 103
            | Bheem
                       | BCA102
                                                 80 I
                                                           22 I
            | Chetan | BCA103
 104
                                                 95 I
                                                           20 I
 105
            | Diksha | BCA104
                                                 99 |
                                                           20 I
 106
            | Raman | BCA105
                                                 88 I
                                                           19 I
           | Sheetal | BCA103
 107
                                                 98 |
                                                           22 I
 rows in set (0.001 sec)
```

4. View the specific record (Age=20):

5. View the specific record (marks>90):

6. Minimum and maximum number:

7. Access the record of the 2nd last row:

8. Retrieve only even rows from the table:

9. Retrieve only an odd number of rows from the table:

```
MariaDB [test_Student]> select * from student where Student_ID % 2 != 0;
 | Student_ID | Stu_Name | Stu_Subject_ID | Stu_Marks | Stu_Age |
           | Akhil
                      | BCA101
                                               85 I
                     | BCA102
 103
           | Bheem
                                              80 I
                                                        22 I
           | Diksha | BCA104
105
                                              99 I
                                                        20 I
 107 | Sheetal | BCA103
                                              98 I
                                                        22 I
 rows in set (0.015 sec)
```

10. a) New row named date:

```
MariaDB [test_Student]> alter table student
-> add dates date;
Query OK, 0 rows affected (0.133 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

b) Add random dates in every row:

```
MariaDB [test_Student]> update student set dates= date_sub(curdate(), interval rand()*365 day);
Query OK, 7 rows affected (0.129 sec)
Rows matched: 7 Changed: 7 Warnings: 0
```

Final Table:

```
MariaDB [test_Student]> select * from student;
 | Student_ID | Stu_Name | Stu_Subject_ID | Stu_Marks | Stu_Age | dates
                                        85 | 20 | 2021-09-07 |
78 | 19 | 2022-01-10 |
101
          | Akhil | BCA101
         | Balram | BCA104
                                       78 I
102
103
          | Bheem | BCA102
                                        80 I
                                                22 | 2022-06-18 |
                                               20 | 2021-08-17 |
                                        95 I
         | Chetan | BCA103
104
                                        99 |
105
         | Diksha | BCA104
                                                20 | 2022-02-15 |
                                                19 | 2022-02-17 |
          | Raman | BCA105
                                        88 I
 106
    | Sheetal | BCA103
                                         98 |
                                                22 | 2021-09-02 |
 rows in set (0.001 sec)
```

Thank you