**1. Write a PHP program to connect a database named 'student'.**

```php
<?php
        $servername="localhost:8888";
        $username="root";
        $password="";
        $dbname="student";
        $conn=new mysqli($servername,$username,$password,$dbname);
        if($conn->connect_error)
        die("Connection failed:".mysqli_connect_error());
        else
        echo "Database connected successfully";
?>
```



Database connected successfully

**2. Write a PHP program to insert records in a database named student with fields id, name and grade.**

```php
<?php
    $servername="localhost";
    $username="root";
    $password="";
    $dbname="student";
    $conn=new mysqli($servername,$username,$password,$dbname);
    if($conn->connect_error)
    die("Connection failed:".mysqli_connect_error());
    else
    echo "Database connected successfully";
    $sql="insert into studentrec (id,name,grade)values (101,'Tsering Sherpa',12)";
if($conn->query($sql)===true)
{
    echo "Inserted data successfully";
}
else{
    echo "Error in inserting data:".$conn->error;
}
$conn->close();
?>
```



Inserted data successfully

| id | name | grade |
|----|------|-------|
| 101 | Tsering Sherpa | 12 |

**3. Write a PHP program to display all records (previous question) of students who are in grade 12.**

```php
<?php
        $servername="localhost";
        $username="root";
        $password="root";
        $dbname="student";
        $conn=new mysqli($servername,$username,$password,$dbname);
        if($conn->connect_error){
        die("Connection failed:".mysqli_connect_error());
 }
        $sql="SELECT *FROM studentrec WHERE grade='12'";
$result=$conn->query($sql);
if($result->num_rows>0)
{
        while($row=$result->fetch_assoc())
        {
                echo "<br> id:".$row["id"]." - Name: ".$row["name"]." - Grade : ".$row["grade"];
        }
}
else {
        echo "0 results";
}
$conn->close();
?>
```
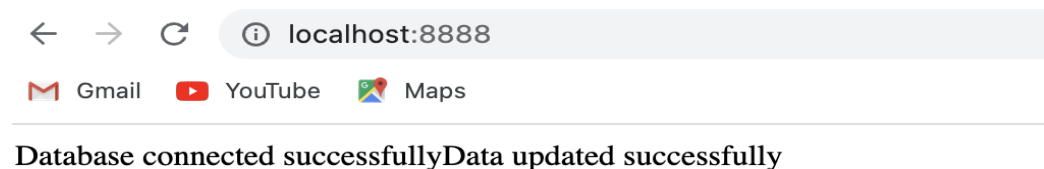


id:101 - Name: Tsering Sherpa - Grade : 12



| id | name | grade |
|---|---|---|
| 101 | Tsering Sherpa | 12 |
| 2 | Tsering | 11 |
| 3 | ssantosh | 12 |

**4. Write a PHP program to update a record of student whose id is 2.[Try same program with name/grade.]**

```php
<?php
        $servername="localhost";
        $username="root";
        $password="root";
        $dbname="student";
        $conn=new mysqli($servername,$username,$password,$dbname);
        if($conn->connect_error)
        die("Connection failed:".mysqli_connect_error());
        else
        echo "Database connected successfully";
        $sql="UPDATE studentrec SET name='ABC' WHERE id=2;";
if($conn->query($sql)===true)
{
        echo "Data updated successfully";
}
else{
        echo "Error in data update :".$conn->error;
}
$conn->close();
?>
```

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Database connected successfullyData updated successfully

Before                                        After

| id | name | grade |
|----|------|-------|
| 2 | ram | 12 |
| 3 | shyam | 12 |

| id | name | grade |
|----|------|-------|
| 2 | ABC | 12 |
| 3 | shyam | 12 |

**5. Write a PHP program to delete records of a student whose id is 3.[previous question]**

```php
<?php
        $servername="localhost";
        $username="root";
        $password="root";
        $dbname="student";
        $conn=new mysqli($servername,$username,$password,$dbname);
        if($conn->connect_error)
        die("Connection failed:".mysqli_connect_error());

        $sql="DELETE FROM studentrec WHERE id=101";
if($conn->query($sql)===true)
{
        echo "Data deleted ";
}
else{
        echo "Error in deleting data:".$conn->error;
}
$conn->close();?>
```

Data deleted

Before

After

| id | name | grade |
|----|------|-------|
| 101 | Tsering Sherpa | 12 |
| 2 | Tsering | 11 |
| 3 | ssantosh | 12 |

| id | name | grade |
|----|------|-------|
| 2 | Tsering | 11 |
| 3 | ssantosh | 12 |