# Computer Science 204: Database Programming

# Assignment – Creating & Manipulating a Database

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| --- | --- | --- | --- | --- | --- |
| **Category** | **Unacceptable (0-1)** | **Needs Improvement (2-3)** | **Good (4)** | **Excellent (5)** | **Total Possible Points** |
| Create the database tables | All tables are not created correctly | 2 or more tables are not created correctly | Correct created tables, queries are not optimal | Correct queries and correct resulted tables | 5 |
| Define the primary keys of the tables | All primary keys are not created correctly | 2 or more primary keys are not created correctly | NA | All primary keys are created correctly | 5 |
| Create the relationships among the tables using foreign keys | All relationships are not created correctly | 2 or more relationships are not created correctly | NA | All relationships are created correctly | 5 |
| Populate the tables with data | Tables are not populated by the given data | All tables are populated by part of the given data | Some tables are populated by part of the given data | All tables are correctly populated with the given data | 5 |
| Query 1 | Query does not exist | Query is close to correct, results are not correct | Correct results, query is not optimal | Correct query and correct results | 5 |
| Query 2 | Query does not exist | Query is close to correct, results are not correct | Correct results, query is not optimal | Correct query and correct results | 5 |
| Query 3 | Query does not exist | Query is close to correct, results are not correct | Correct results, query is not optimal | Correct query and correct results | 5 |
| Query 4 | Query does not exist | Query is close to correct, results are not correct | Correct results, query is not optimal | Correct query and correct results | 5 |
| Query 5 | Query does not exist | Query is close to correct, results are not correct | Correct results, query is not optimal | Correct query and correct results | 5 |
| Query 6 | Query does not exist | Query is close to correct, results are not correct | Correct results, query is not optimal | Correct query and correct results | 5 |
| Query 7 | Query does not exist | Query is close to correct, results are not correct | Correct results, query is not optimal | Correct query and correct results | 5 |
| Query 8 | Query does not exist | Query is close to correct, results are not correct | Correct results, query is not optimal | Correct query and correct results | 5 |
| Query 9 | Query does not exist | Query is close to correct, results are not correct | Correct results, query is not optimal | Correct query and correct results | 5 |
| Query 10 | Query does not exist | Query is close to correct, results are not correct | Correct results, query is not optimal | Correct query and correct results | 5 |
| Query 11 | Query does not exist | Query is close to correct, results are not correct | Correct results, query is not optimal | Correct query and correct results | 5 |
| Query 12 | Query does not exist | Query is close to correct, results are not correct | Correct results, query is not optimal | Correct query and correct results | 5 |
| Query 13 | Query does not exist | Query is close to correct, results are not correct | Correct results, query is not optimal | Correct query and correct results | 5 |
| Query 14 | Query does not exist | Query is close to correct, results are not correct | Correct results, query is not optimal | Correct query and correct results | 5 |
| Create the required indexes | No indexes chosen | Indexes are poorly chosen, queries are not correct | Indexes are poorly chosen, queries are correct | Indexes are correctly chosen, queries are correctly written | 5 |
| Create required view | No view created | The syntax of the view creation is not correct | The view is correctly created but not correctly used | The view is correctly created and used | 5 |

Total Points: 100/100

Grader Notes:

* Excellent work on this challenging assignment!
* I like how you used other tools to generate the INSERT statements: that saved a lot of time! You have expertly documented your steps and included rationale for your coding decisions.
* I ran your statements with no issues in MySQL and generated the same results.