

# IT Assignment Coversheet

**Course**: PROG8080 – Database Management

Program Coordinator: David Allison

Professor/Instructor: Mark Morell

Assignment #: Choose from list

Assignment Type:  Individual  Pair  Team

Date Submitted:

# **Student Information**

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# IT Standards Marking Sheet

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| --- | --- | --- | --- | --- | --- |
| **Programming & SQL Standards - 1% each** | | | |  | |
|  | P1 Meaningful Identifiers | |  | P20 Code Module Size and Focus | |
|  | P2 Prefixes & Hungarian Notation | |  | P21 Single Point of Exit | |
|  | P3 Identifier Case Conventions | |  | P22 Disabled Code & Misleading | |
|  | P4 Header Comments | |  | P23 Each Class in a File Named | |
|  | P5 Method Comments | |  | P24 Class Organization | |
|  | P9 "Magic" Numbers and Strings | |  | P25 Unwise Coding Practice | |
|  | P10 Constant Scope | |  | SQL1 Table Names | |
|  | P11 Indentation | |  | SQL2 Column Names | |
|  | P12 Line Length and Wrapping | |  | SQL3 Keywords & Function Names | |
|  | P13 Blank Lines | |  | SQL4 Header Comments | |
|  | P14 Code Crowding | |  | SQL5 Output Messages | |
|  | P15 Space Around Binary Operators | |  | SQL6 Implementation Comments | |
|  | P16 Space After Delimiters | |  | SQL7 Formatting | |
|  | P17 Curly Brace Alignment | |  | SQL8 Subquery IN and = | |
|  | P19 Global Variables | |  |  | |
|  | |  | | **Late Assignments** | |
| **Days Late** | **Penalty %** |
| **Base Mark:** | |  | | 1 | 5 |
| **Standards Penalties: - %** | | - | | 2 | 10 |
| **Late Penalties: - %** | | - | | 3 | 20 |
| **Final Mark:** | |  | | 4 | 40 |
|  | |  | | 5 | 60 |
| 6 | 80 |
| 7 | 100 |
|  |  |

1)We want to get information on all Employees that Human Resources keeps

records on. For every employee who has a marital status of single and has “WA” in their last name, get the following information:

•The person’s ID (BusinessEntityID in the tables)

•The person’s full name as one field

•The person’s job title

•The person’s email address (join to another table)

(Hint: This query will result in joins with 3 tables. You do

not need to use an outer join)

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Description automatically generated

2)We want to look at the Production schema data (so the table names are all

prefaced with “Production.”) to get information on all Products that are white

in colour. Show the:

•Product ID

•Product Name

•List Price

Sort the data by Product ID

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3) Now we want to expand upon the above result to show reviews for those products that have them (Hint: Use the ProductReview table). Show all of the products that you found above but include the following information if they exist for each:

•Product Review Rating

•Product Review Comments

Sort the data by Product ID. (Hint: this will use an outer join)

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4) find the maximum freight amount paid from the SalesOrderHeader table (in

the Sales schema.

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5) From the SalesOrderHeader table, write a single query to determine the number of sales (number of records) and the total (sum) of sales (TotalDue)

for Customer ID 30117.

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6) Also from the SalesOrderHeader table, write a query to show the sum of the TotalDue by CustomerID having a sum greater than $750,000. Sort the result by the TotalDue in descending order. Your results will list each Customer ID inthe database along with the sum of their sale.

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