



**DATABASE APPLICATIONS**

(240)

**Regional 2024**

**PRODUCTION**

**Job 1:** Alumni Data Table \_\_\_\_\_\_\_\_\_\_ (100 points)

**Job 2:** Membership Table \_\_\_\_\_\_\_\_\_\_ (100 points)

**Job 3:** Relationships Report \_\_\_\_\_\_\_\_\_\_ (50 points)

**Job 4:** Query/Report \_\_\_\_\_\_\_\_\_\_ (100 points)

***TOTAL POINTS \_\_\_\_\_\_\_\_\_\_ (350 points)***

**Test Time: 90 minutes**

**GENERAL GUIDELINES:**

***Failure to adhere to any of the following rules will result in disqualification:***

1. Member must hand in this test booklet and all printouts, if any.
2. No equipment, supplies, or materials other than those specified for this event are allowed in the testing area. No previous BPA tests and/or sample tests (handwritten, photocopied, or keyed) are allowed in the testing area.
3. Electronic devices will be monitored according to ACT standards.

**EXAM GUIDELINES:**

1. Ensure this test booklet contains Jobs 1-4.
2. Key all jobs according to the instructions given.
3. Correct any and all formatting, spelling or grammar errors. Use the formatting guide in the *Style & Reference Manual***.**
4. Your name or initials should *not* appear on any work you submit. Use your Member ID in any occasion you would normally key your reference initials.
5. In the lower **right** hand corner of ALL work submitted (unless otherwise specified), key your Member ID and job number.
6. If you complete the event before the end of the time allotted, notify the proctor. Time may be considered a factor in determining a winner when there is a tie score.
7. Place your scoring sheet on top of your jobs. Jobs should be placed in numerical order.

|  |  |  |
| --- | --- | --- |
|  | **Points**  **Possible** | **Points**  **Earned** |
| **Job 1. Create Alumni Data Table** |  |  |
| Table name is Alumni Data – XXXXX | 5 |  |
| Field names entered correctly | 10 |  |
| Data entered correctly (5 points per record) | 50 |  |
| Date format matches table in test | 10 |  |
| Sorted alphabetically by last name | 10 |  |
| Each record is on one line | 5 |  |
| All data is visible (no truncation) | 5 |  |
| Table printed in landscape on one page | 5 |  |
| **Total for Job 1** | **100** |  |
| **Job 2. Create Membership Table** |  |  |
| Table name is Membership – XXXXX | 10 |  |
| Field names entered correctly | 5 |  |
| Currency format with 2 decimal places | 5 |  |
| Data entered correctly (5 points per record) | 50 |  |
| Each record data is on one line and sorted by ascending Alumni ID | 10 |  |
| Table printed in portrait orientation on one page | 20 |  |
| **Total for Job 2** | **100** |  |
| **Job 3. Create Relationships Report** |  |  |
| Report shows one to one relationship between Alumni ID# in Alumni Data table and Alumni ID# in Membership table | 20 |  |
| Relationships report has header labeled **Relationships Report** | 10 |  |
| Report includes footer with Member ID on first line and Job 3 on second line of footer | 10 |  |
| Relationships report printed in portrait orientation | 10 |  |
| **Total for Job 3** | **50** |  |
| **Job 4. Query/Report** |  |  |
| Query includes Alumni ID#, First Name and Last name from the Alumni Data table and Membership Date, Alumni Dues and Year of Graduation from the Membership table | 40 |  |
| Sorted by Year of Graduation, then by Last Name, both in ascending order | 5 |  |
| Query titled **Query-Grad Year** | 10 |  |
| Tabular report created from query, with columns resized to fit data | 10 |  |
| Total added beneath Alumni Dues column, totaling $325.00 | 10 |  |
| Currency format with 2 decimal places for all data in Alumni Dues column | 10 |  |
| Report includes footer with Membership ID on first line and Job 4 on second line of footer | 10 |  |
| Report printed in portrait orientation, fitting on one page | 5 |  |
| **Total for Job 4** | **100** |  |
| **Total Points Earned** | **350** |  |

**Job 1 – Alumni Data Table (to be printed in Landscape orientation)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Alumni ID#** | **Title** | **First Name** | **Last Name** | **Street Address** | **City** | **State** | **ZIP** | **Cell Phone** |
| 1976233 | Mr. | Lan | Huang | 2765 Rosewood Rd. | Tupelo | MS | 38801 | 662-805-9691 |
| 2772345 | Mr. | Ira | George | 4331 Clarks Ln. | Ithaca | MI | 48847 | 989-250-1300 |
| 3098661 | Mrs. | Maddison | Osborne | 4443 Parrill Ct. | Crown Point | IN | 46307 | 219-620-9851 |
| 4002965 | Ms. | Suhaylah | Kassis | 4126 Chicago Ave. | Fresno | CA | 93721 | 559-457-6306 |
| 5046221 | Ms. | Jeanine | Foster | 1385 Lightning Dr. | Memphis | TN | 38118 | 901-415-2700 |
| 5871548 | Ms. | Tatjana | Knezevic | 2518 Scenic Way | Seymour | IL | 61875 | 217-687-3751 |
| 6649213 | Mrs. | Carolina | Dias | 327 Crummit Ln. | Austin | TX | 73344 | 512-555-0130 |
| 7781642 | Mr. | Darnell | Jones | 2368 Layman Ct. | Atlanta | GA | 30308 | 404-546-0311 |
| 8226479 | Ms. | Elea | Corona | 4988 Stallion Rd. | Cincinnati | KY | 45202 | 859-609-3297 |
| 9823346 | Ms. | Julie | Winther | 3495 Phillip Ln. | Tulsa | OK | 74133 | 918-461-8458 |

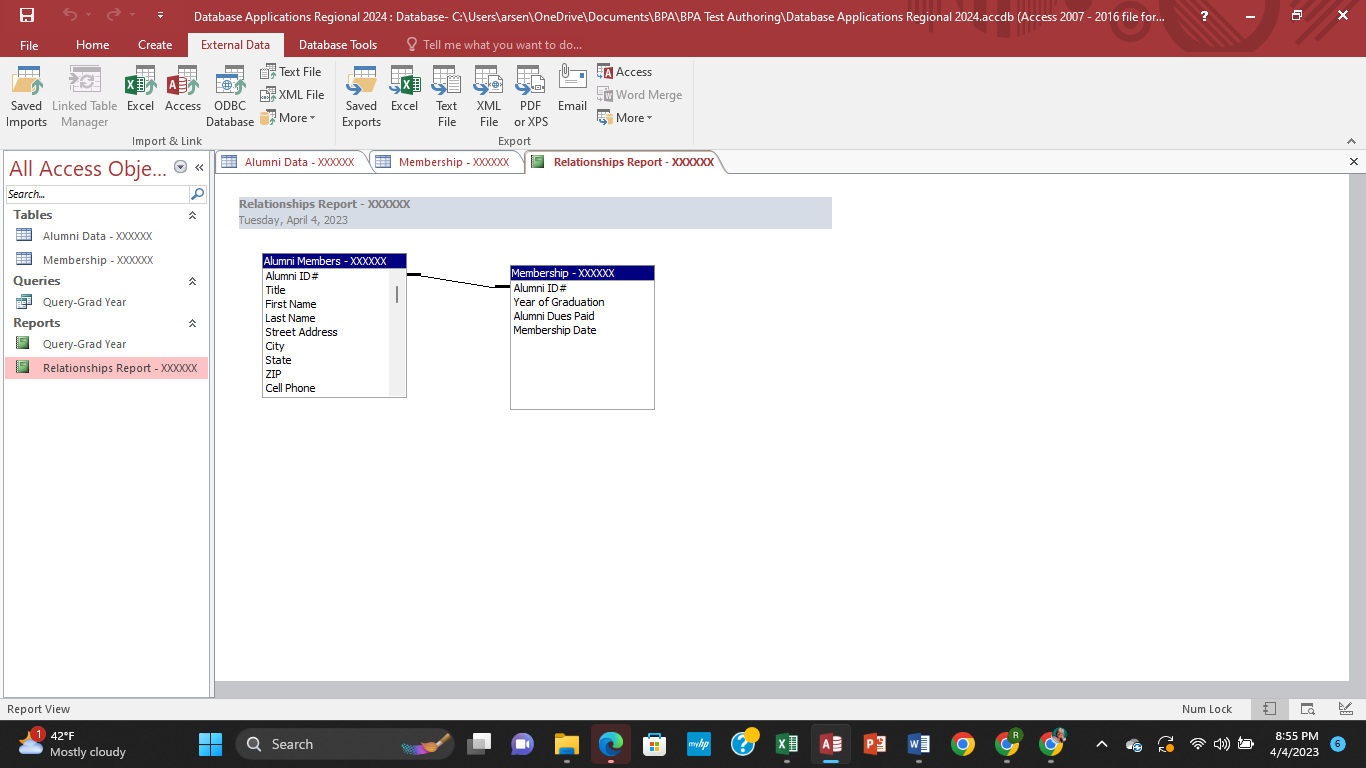
Data should be sorted by last name in ascending order.

**Job 2 – Membership Table**

|  |  |  |  |
| --- | --- | --- | --- |
| **Alumni ID#** | **Year of Graduation** | **Alumni Dues Paid** | **Membership Date** |
| 1976233 | 2019 | $25.00 | 6/9/2019 |
| 2772345 | 2022 | $25.00 | 11/11/2023 |
| 3098661 | 2019 | $25.00 | 7/14/2020 |
| 4002965 | 2022 | $40.00 | 12/2/2022 |
| 5046221 | 2018 | $25.00 | 5/21/2019 |
| 5871548 | 2018 | $40.00 | 10/17/2018 |
| 6649213 | 2022 | $25.00 | 1/12/2023 |
| 7781642 | 2019 | $40.00 | 8/2/2019 |
| 8226479 | 2018 | $40.00 | 7/22/2018 |
| 9823346 | 2019 | $40.00 | 2/17/2021 |

**Data should be sorted in order by Alumni ID**

**Job 3 – Relationships Report**



**Job 4 – Query/ReportA screenshot of a computer

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