| **Task** | + A - | + B - | + C - | + D - | + F - |
| --- | --- | --- | --- | --- | --- |
| **Tables** | **5** **Well-constructed** tables  Consistent Oracle Naming **Conventions**  **Correct** datatypes | **5** **Well-constructed** tables  Consistent Oracle Naming Conventions  Correct datatypes | **5 Mainly well-constructed** tables, with **correct** datatypes | **5 or less poorly structured** or incomplete tables, **ill-considered** types | **5 or less** poorly structured **incomplete tables** or, **ill-considered** datatypes, little or no entity or referential integrity. |
| **PK/FK** | **Compound** PKs and FKs  Data reflective of constraints  **Separate** **alter** statements | Some additional columns to avoid compounds  Consistent data used to test  **Separate alter statements** | **Missing** PKs or FKs  **Inconsistent** naming conventions | Attempted **PKs FKs** data is inconsistent with constraints | **Numerous errors** in construction. **Little understanding** shown |
| **Objects** | Examples of **Varray**, **Nest**, **object** **table**, **object type** all used in tables. Perhaps combination of **multiple examples in one table** or within one object. Working. Well named | Examples of **object** **table**, **object type** all used in tables and **either a Varray or a Nest**, Working. Well named | **Object type** and **object table**, both used directly in tables  **Others attempted**, maybe not working | **Object type** and **object table**, both used directly in tables. Working | Errors and omissions, few or **no objects working.** |
| **Data** | **well-structured** dummy data. **Entity and referential** integrity correct.  Examples **into all types used** Perhaps combination of **multiple examples in one table** or within one object. | Dummy data. Entity and **referential integrity correct**.  Examples **into all** **types used** in tables, **object** **table**, **object type** all used in tables and **either a Varray or a Nest**, | Dummy data. Grants. **Entity and referential integrity correct**.  Examples into all types used in tables, maybe not all working **Some valid data**, but with **errors** | dummy data, ill-considered datatypes, **little or no entity or referential integrity**. Errors and omissions.  **Attempted** **into all types** used, data is **flawed** | None or not working |
| **Proc** | A **broad** range working. **Small well-constructed** **procedures**  Includes **parameters** interacts with tables **anchored types** | A **range** working. Small well-constructed procedures. Achieve different things, includes parameters, some **anchored types** and functions designed to achieve a **single task**. | **Some** **working**, maybe bulky, fixed types and functions. | Attempted  contains errors  **Some** named/**anonymous** sub routines working, **mostly** **working** procedures | Limited attempt  sub routines |

built-in functions MIN, MAX, SUM, AVG, COUNT, FLOOR, CEIL, ROUND, SUBSTR, CONCAT, UPPER, LOWER, TRIM,

| **Task** | + A - | + B - | + C - | + D - | + F - |
| --- | --- | --- | --- | --- | --- |
| **Fuct** | designed to achieve a single task. Includes **examples of most** items such as **cursors**, **built in functions, loops**. Appropriate naming conventions, **exception handling** | Includes **a range of** examples of items such as cursors, built in functions, loops. Appropriate naming conventions | Includes **some** examples of items such as cursors, built in functions, loops, Appropriate naming conventions | and functions. Includes **some** examples of items such as cursors, built in functions, loops. Appropriate naming conventions | **limited** examples of items such as cursors, built in functions, loops. Some appropriate naming conventions. **May or may** not be working, or Not attempted |
| **Trigger** | **Small well-constructed,** examples of **bind variables** and **conditional spec** | **Working trigger**, either **bind variables** or **conditional** **spec** | Simple **date validation trigger** | **Attempted trigger**, maybe **flawed** or not working, or **illogical** | Not attempted |
| **Cursor** | **Explicit cursor** declared with **loops** and **implicit** **attributes** used | **Explicit cursor** declared with **loops** | **implicit attributes** used | **attempted** | Not attempted |
| **Other** | A range or loops, and IFs maybe switch | Some loops, and IFs | A for or while loop, and ifs | Simple loop and/or IF | Attempted with errors |
| **Drops** | All | Almost all | Most | Some | Few or none |
| **Notes** | exception handling | packages | Bulk binds |  |  |
| **Queries** | **Range** including **inner and outer joins**, **built-in functions**, **aggregate** **group** and **order** **by** and perhaps parameter queries, **relational algebra**, queries **all complex types** used | **Range** including **inner joins built-in functions**, **aggregate** **group** or **order** **by** or, **relational algebra**, queries **most complex types** used | **Some** including **inner joins built-in functions**, **aggregate** **group** or **order** **by** or, **relational algebra**, queries **most complex types** used | Attempted **inner joins built-in functions**, **aggregate** **group** or **order** **by** or, **relational algebra**, attempted queries for **complex types** used | Minimal attempt, may or may not be working attempted **inner joins built-in functions**, **aggregate** **group** or **order** **by** or, **relational algebra**, attempted queries for **complex types** used |
| **test** | **Clear** **comprehensive** test scrips evident | Predominately **well-conceived** test scripts | **Few** or **No test scripts**, testing limited | **No test scripts**, testing limited to **woolly test document** | Bare attempt |
| **demo** | Ran smoothly from **run commands**. Clearly prepared, includes **test statements** to illustrate code. **Able to explain**, what and why code has been written. | Ran smoothly from run commands. Clearly prepared, includes **test statements** to illustrate code. **Able to explain**, what and why code has been written. With a few elements that **could have gone better** | **Mostly ran from run commands**, some statements manually copied and pasted. **Minor changes** of data and statements during the demo an attempt to get it working. Can explain why they have implemented most of the elements. | Few ran from run commands, some statements manually copied and pasted. **Changing data and statements** during the demo in an attempt to get it working. **Struggles to explain** why they have implemented some elements. | **Unprepared**. Copy and pasting statements in, attempting to change statements in an attempt to get it to work. **Poorly organised files**. |