```
Exercise 6: NULL Functions
Table 1. Employees
Question 1
Syntax
            COALESCE (salary, 0)
            As salary with default
FROM
             employees
Expectation:
                                 galary with defoult
employee id
                 nome
                 Alice
                                 5000
                 Beb
                 charlie
                                 7000
                 Dano
Ourestion 2
Sydax
            employee id, nome
SELECT
            COALESCE (department, 'Not Assigned')
             re department nome
            Employees;
FROM
employee_id
                                department_name
                name
                Alice
                Bob
                                Not Assigned
                Charlie
```

Finance

Dond

```
Table 2: Orders
 auestran 3
           order id; customer id
GELECT
FROM
            Oreters
             cystomer_id is NULL,
 WHERE
Expectation
order id
                    customer_ id
 103
                     NULL
Question
SEIECT
                    customer_idi
           COALESCE (CAST (delivery date As VARCHAR), 'Pending')
            As delivery stanus
FROM
           Orders
Expectation
Order Id
                  customer id
                                          delivery startus
101
                                          2074-12-01
                   201
102
                                          Pending
103
                   NULL
                                           2024-12-03
```

Table 3 . Students

auestion 5

SYMOX

SELECT Student\_Id, nome

COALESCE (grade 10)

No final grade

FROM Students,

Expectation

Student\_id Nome final\_grade

Ethan 85

Maya 0

Olivia 90

Question 7

Table 4 Produces

Synton

SEIECT product id,

nome,

price - conlesce (discount, 0)

As final price

FROM Products,

Expectation

product id	name	Final price
501	Keyboard	25
502	Mouse	10
503	Monitor	100

```
Question F
Table & Customers
Cappan
         COUNT (-)
SEILLT
          As museing_email_rount
           CUSTORNIES
FREEM.
            ement is bulli
WHERE
missing email count
Question 9
Synta)
          customer job,
SLICET
            COPLESCE (email) (NO Email))
             no email display
              ccistomeis
FROM
                                        Email display
                       Nome
customer id
                                        NO Emoul
                       Linda
                                        joseph Email com
                       Joseph
                                        No Emoll.
                       Nia
```

The state of the s

```
Table 8 Employee Extra
auestion 12
Synton.
SEIECT emp_id,
           COALESCE (bonus, commission)
           As first avoilable removed
           Employees - Extraj
FROM
                      first available reward
emp_id
                       300
                       100
                       NUL
Table 9: Classes
auestion 13
Symox
SEIECT
               Count (#)
                AS no room count
FROM
                CLOSSES
                room Is Nulli
WHERE
Expedemen
no room count
```

```
Table 10: Attendence
auestion 14
SEIECT
            silicient idj
             COPLESCE (STATUS, Not Marked)
                attendance status
FROM
              Attendance,
Expectation
                                            attendance status
Stuciene id
                         date
                                            Not Marked
                       2025-04-01
                                             Present
                       2025-04-01
                                             Absent
                       2025 -04-01
Table 11 : Bank Accounts
 Question 15
 Syntax
SEIECT
               occount id,
               COALESCE (OCCCUME_type, 'Unknown')
               As type _ display 1
                COALESCE (balance 10)
                As balance checked
                Bank Accounts
 FROM
 Expectation
 account_id
                        bype display
                                                balance checked
                        Savings
                        Current
                                                5000
                        Unknown
A3
                                                 2000
```

```
Toble 12 Projects
Question 16
Santax
SEIECI project_id,
             COALESCE (CROTCOION date AS VARCHAR), 'TOO')
             As start display
FROM Projects;
Expectation
project_id
                                                  Stort _display
                       Website Revamp
                                                  2025-01-10
                        Mobile App
                                                  TBD
                                                  160
                        Dala Migration
Table 13: Reviews
Ourstion 17
Syntox
              review_ 1d)
SPIECT
              product_id,
              COALESCE (comment, No Comment)
               As comment_display,
              contesce Crating, 0)
               Do reiting _ clisplay
              Reviews
FROM
                                      corriment clisping
                                                             reiting display
                 Product _id
reviews _ id
                  501
                                      No Comment
                   502
                                      Works fine
                   503
```

```
Table 14: Suppliers
Quesnan 18
Syntax
SELECT
               suppliet it, name
              COBLESTE (phone, all phone No Contact')
              As contract _number
               Suppliers,
Expectation
Supplier -id
                                                    Contact number
                         name
                         Global Goods
                                                     123456789
                                                     987654321
                         Best suppliers
                         Value Source
                                                     No Contact
Table 15 User Sellings
Question 19
Syntax
SHIECT
                 user id,
                 COALESCE (theme, 'Light')
                 As sheme set,
                 COALESCE (language, 'English')
                  As Language sel,
                  COALESCE (Limezone, (UTC')
                   As timezone_sel
                  User Settings,
FROM
User_id
                  theme gel
                                       language sel
                                                              Limezone set
                                       English
                   Light
                                                              UTC
                                        English
                    Dark
                                                              UTC +1
                   highe
                                       English
                                                               YTC
```

```
Table 16: Maintenonce
Question 20
 Syntax
               record id,
 SEIECT
               machine id,
               COALESCE (13sue, Untrown Issue
                As issue log,
                 COALESCE (technician, Not Assigned)
                 As technician name
  Expectation
   record_id
                    machine id
                                                              technicion nome
                                        ISSUR 109
                                        Overheating
                                                               Not Assigned
                    MIOI
                                                              Not Assigned
                                         Unknown 1554E
                    MIOZ
                                        Jammed
                    M103
                                                                Alex
    Correction
     Question 6
     Syntan
                  count(*)
     SEIECT
                   As not graded count
                   5 tudents
      FRUM
                    grade 15 NULL,
      WHERE
      Expectation
      not graded count
```