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✓ Correct 2/2 Points

3. if Customer has many orders and order has one customer To Complete Mapping

☒ Add Cust_No Column To Table Orders ✓

☐ Add Order_no Column To Table Customers

☐ Create New Table With (Cust_no , Order_no) Columns

☐ Merge Tow Tables In One Table

✓ Correct 2/2 Points

4. if Employee must has One Car and Car must assign to one Employee To Complete Mapping

☐ Add Emp_No Column To Table Car

☐ Add Car_no Column To Table Employees

☐ Create New Table With (Emp_no , Car_no) Columns

☒ Merge Tow Tables In One Table ✓

✓ **Correct** 2/2 Points

21. To Increase Salary By 20% For Employees which working in Finance Department *

- ☐ update employees set salary = salary * 0.2 where dept_name = 'Finance'
- ☐ update employees set salary = salary * 1.2 where dept_name = 'Finance'
- ☐ update employees set salary = salary * 0.2 where dept_id = (select dept_id from departments where dept_name = 'Finance')
- ☒ update employees set salary = salary * 1.2 where dept_id = (select dept_id from departments where dept_name = 'Finance')

✖ **Incorrect** 0/2 Points

22. To Display another Project Data with the same department which control Project 'Elwaha'

- ☐ select * from projects , departments where p.pno = d.pno and pname = 'Elwaha'
- ☒ select p.* from projects , departments where p.dno = d.dno and pname = 'Elwaha'
- ☐ select * from projects where dno = (select dno from projects where pname = 'Elwaha') and pname <> 'Elwaha'
- ☐ select * from projects where pno = (select pno from projects where pname = 'Elwaha') and pname <> 'Elwaha'

✓ **Correct** 2/2 Points

23. To Calculate Average Salary For All Employee

- ☐ select count(salary) from employee
- ☐ select avg(salary) from employee
- ☐ select sum(salary) from employee
- ☒ select avg(isnull(salary,0)) from employee ✓

✓ **Correct** 2/2 Points

24. To Calculate count of Characters of full name for employee

- ☐ select concat(fname , ' ',lname) from employee
- ☐ select len(fname ,lname) from employee
- ☒ select len(concat(fname,' ',lname)) from employee ✓
- ☐ select sum(concat(fname,' ',lname)) from employee

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✓ Correct 2/2 Points

25. To Calculate Age of employees

☐ select getdate() - bdate from employee

☒ select year(getdate()) - year(bdate) from employee ✓

☐ select dateadd(year,getdate()) - dateadd(year,bdate) from employee

☐ None Of Above

✓ Correct 2/2 Points

26. Which of These is incorrect syntax

☐ select left(fname,2) from employee

☐ select substring(fname,2,3) from employee

☒ select len(fname,4) from employee ✓

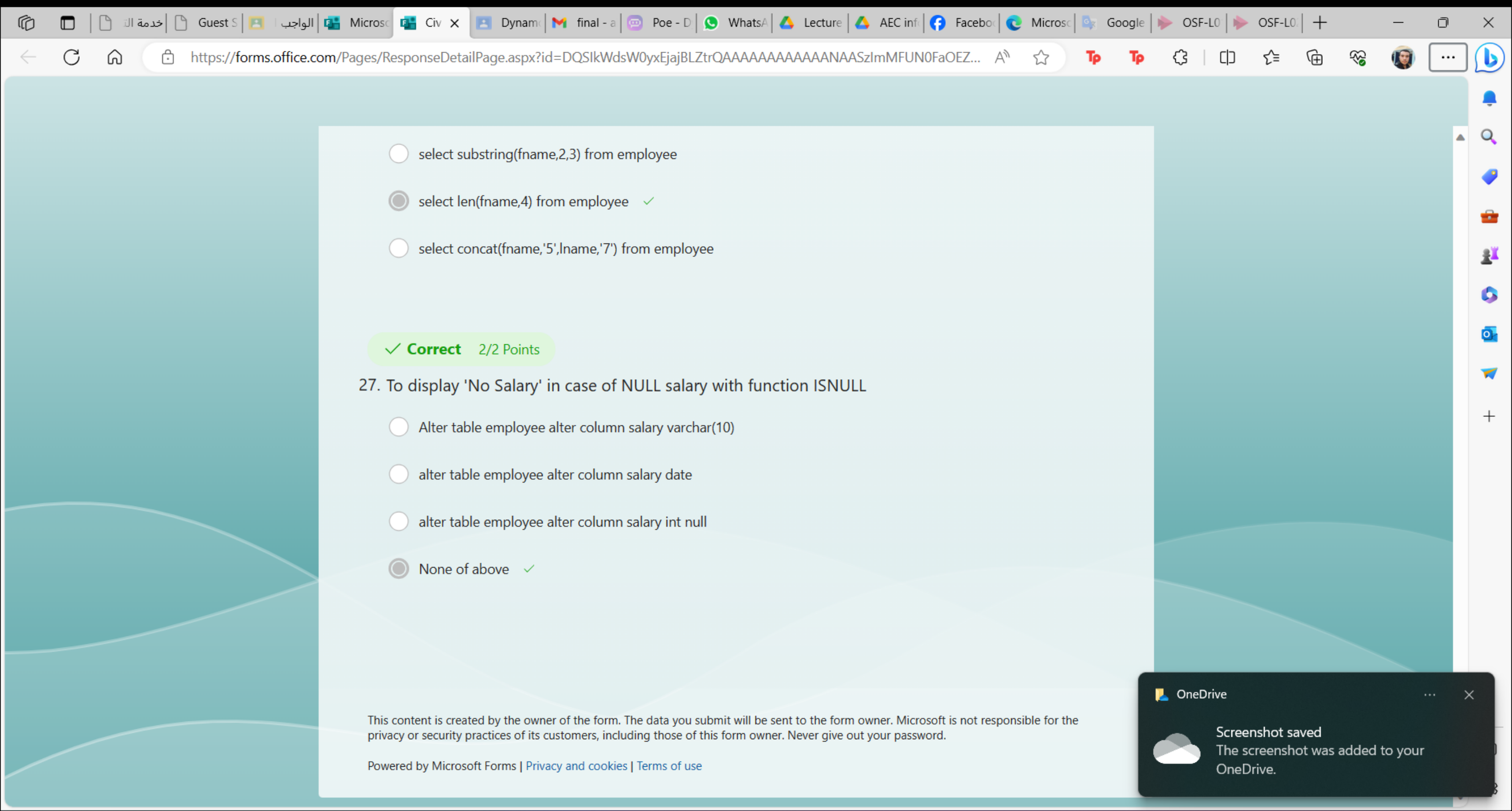
☐ select concat(fname,'5',lname,'7') from employee

✓ Correct 2/2 Points

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- ☐ select substring(fname,2,3) from employee
- ☒ select len(fname,4) from employee ✓
- ☐ select concat(fname,'5',lname,'7') from employee

✓ **Correct** 2/2 Points

27. To display 'No Salary' in case of NULL salary with function ISNULL

- ☐ Alter table employee alter column salary varchar(10)
- ☐ alter table employee alter column salary date
- ☐ alter table employee alter column salary int null
- ☒ None of above ✓

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✓ **Correct** 2/2 Points

5. If Insert New Dependent In Table Dependent Which of them Is Correct Columns In Table are (ESSN , Dependent_Name,Gender,Bdate,R)

- ☐ Insert into dependent values (7,'ahmed','m','4-2-1999')
- ☐ Insert into dependent values ('ahmed','m','4-2-1999','Son')
- ☒ Insert into dependent (Essn,dep_name,sex,bdate,rel) values (7,'ahmed','m','4-2-1999','son') ✓
- ☐ Insert into dependent (Essn,dep_name,sex,bdate,rel) values ('ahmed','m','4-2-1999')

✓ **Correct** 2/2 Points

6. To Display Department Data Which have zero employees

- ☐ Select d.* from departments d left outer join employees e on dno = dnumber
- ☐ Select d.* from departments d right outer join employees e on dno = dnumber
- ☐ Select d.* from departments d full outer join employees e on dno = dnumber
- ☒ Select d.* from departments d where dnumber not in (select dno from employees where dno is not null) ✓

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✓ Correct 2/2 Points

7. To Display All Products That has orders or not

☐ select * from products,orders where products.productid = orders.productid

☒ select * from products left outer join orders on products.productid = orders.productid ✓

☐ select * from products Right outer join orders on products.productid = orders.productid

☐ None Of above

✓ Correct 2/2 Points

8. To Display Employee who have highest salary

☐ select Empname from employee having max(salary)

☐ select Empname from employee where salary = max(salary)

☐ select Empname from employee where salary = max(salary) limit 1

☒ select Empname from employee where salary = (select max(salary) from employee) ✓

✓ Correct 2/2 Points

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✓ **Correct** 2/2 Points

9. To Display Department Which Have Employee With Largest Age

- ☐ select dno from employee where bdate = (select max(bdate) from employee)
- ☒ select dno from employee where bdate = (select min(bdate) from employee) ✓
- ☐ select dno from employee where bdate < (select max(bdate) from employee)
- ☐ select dno from employee where bdate > (select min(bdate) from employee)

✓ **Correct** 2/2 Points

10. if Table Courses Contains Course_id (int primary Key identity),Course_name varchar(50) To Insert New Record Correct

- ☐ Insert Into Courses values (1,'office')
- ☒ Insert Into Courses values ('office') ✓
- ☐ Insert Into Courses values (office)

✓ **Correct** 2/2 Points

11. To Update Salary To 3000 For All Employees which own Salary Less Than max(salary) On

11. To Update Salary To 3000 For All Employees which own Salary Less Than max(salary) On Department 50

- ☐ update Employee set salary = 3000
- ☐ update Employee set salary = 3000 where salary < (select max(salary) from employees)
- ☐ update Employee set salary = 3000 where salary < (select max(salary) from employees having deptid = 50)
- ☒ update Employee set salary = 3000 where salary < (select max(salary) from employees where deptid = 50) ✓

✓ **Correct** 2/2 Points

12. To Display Departments which have greater than or equal 3 Employees

- ☐ select dnumber from departments where count(ssn) >=3
- ☐ select dnumber from departments group by dnumber having count(ssn) >=3
- ☐ select dnumber from departments , employees where dno = dnumber and count(ssn) >= 3 group by dnumber
- ☒ select dnumber from departments , employees where dno = dnumber group by dnumber having count(ssn) >= 3 ✓

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✓ Correct 2/2 Points

13. To Create Table Customers With Primary Key Cust_no

☐ Create Table Customers (Cust_no int , Cust_name varchar(40))

☐ Create Table Customers (Cust_no int identity Cust_name varchar(40))

☒ Create Table Customers (Cust_no int , Cust_name varchar(40), Constraint cust_pk primary key (cust_no)) ✓

☐ None Of Above

✓ Correct 2/2 Points

14. To Change Column Salary To be Must Entered on Table

☐ Alter Table Employee Alter Column Salary int

☐ Alter Table Employee add constraint sal_un unique (salary)

☐ Alter Table Employee add constraint sal_pk primary key (salary)

☒ Alter Table Employee Alter Column Salary int Not NULL ✓

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✓ Correct 2/2 Points

15. To Delete All Records on Table Departments

☐ Delete From Departments where dept_no = 3

☒ Delete from Departments ✓

☐ Delete Table Departments

☐ None Of Above

✓ Correct 2/2 Points

16. To Display Employee Which has two or more dependents with different sex

☐ select emp_name , count(essn) from employee , dependent where ssn = essn group by emp_name having count(ssn) >= 2

☐ select emp_name from employee e , dependent d where ssn = essn and d.sex in ('m','f')

☐ select emp_name , count(essn) from employee e, dependent d where ssn = essn and d.sex in ('m','f') group by emp_name having count(ssn) >= 2

☒ select emp_name from employee where ssn in (select essn from dependent where sex = 'm') and ssn in (select essn from dependent where sex = 'f') ✓

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✓ Correct 2/2 Points

17. To Display Sum Of Hours on All Projects For Each Employee greater than 120 hours

☐

select pno , sum(hours) from projects , works_on where pno = pnumber group by pno having sum(hours) > 120

☐

select pno , sum(hours) from projects , works_on where pno = pnumber and sum(hours) > 120 group by pno

☒

select ssn , sum(hours) from employees , works_on where ssn = essn group by ssn having sum(hours) > 120 ✓

☐

select ssn , sum(hours) from employees , works_on where ssn = essn and sum(hours) > 120 group by ssn

✓ Correct 2/2 Points

18. To Display student grade for all courses

☐

select student_name,grade from students

☐

select student_name,grade from students_course

☒

select student_name,course_name,grade from students,courses,students_course where students.st_no = students_course.st_no and courses.course_no = students_course.course_no ✓

☐

select student_name,grade from students,students_course

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✓ **Correct** 2/2 Points

19. To Delete Department With All Employees Working in it

- ☐ Alter Table employees add constraint dept_no foreign key (dept_no) references [departments] (dept_no)
- ☒ Alter Table employees add constraint dept_no foreign key (dept_no) references [departments] (dept_no) on delete cascade
- ☐ Alter Table departments add constraint dept_no foreign key (dept_no) references [employees] (dept_no) on delete cascade
- ☐ Alter Table departments add constraint dept_no foreign key (dept_no) references [employees] (dept_no)

✖ Incorrect 0/2 Points

20. To Display Second Highest Salary Only

- ☐ select max(salary) from employees
- ☒ select salary from employees order by salary desc Limit 2
- ☐ select salary from employees where salary < (select max(salary) from employees)
- ☐ select max(salary) from employees where salary < (select max(salary) from employees)