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```
--1. Create a table in your database named Grade\  
-- Add variables: CourseID, Score, Semester\  
-- Populate the table with fake data - at least 3 rows.\br/>-- Select everything from the table\
```

```
CREATE TABLE GRADE(  
  
CourseID int Primary Key identity(1,1),  
  
Score float,  
  
Semester varchar(50)  
  
)  
  
INSERT INTO oh9.dbo.GRADE (Score, Semester)  
VALUES ( 90, 'fall')  
  
INSERT INTO oh9.dbo.GRADE (Score, Semester)  
VALUES ( 85, 'spring')  
  
INSERT INTO oh9.dbo.GRADE (Score, Semester)  
VALUES ( 92, 'summer')  
  
  
select * from oh9.dbo.GRADE
```

	Results	Messages		
	CourseID	Score	Semester	
1	1	90	fall	
2	2	85	spring	
3	3	92	summer	

--2. Write a query to list the SalesOrderID, SalesOrderDetailID, ProductID, OrderQty from SalesOrderDetail table\

```
select SalesOrderID, SalesOrderDetailID, ProductID, OrderQty
from AdventureWorks.Sales.SalesOrderDetail;
```

	SalesOrderID	SalesOrderDetailID	ProductID	OrderQty
1	43659	1	776	1
2	43659	2	777	3
3	43659	3	778	1
4	43659	4	771	1
5	43659	5	772	1
6	43659	6	773	2
7	43659	7	774	1
8	43659	8	714	3
9	43659	9	716	1
10	43659	10	709	6
11	43659	11	712	2
12	43659	12	711	4
13	43660	13	762	1
14	43660	14	758	1
15	43661	15	745	1
16	43661	16	743	1

--3. Write a query to list the SalesOrderID, TerritoryID from SalesOrderHeader table.\

```
select SalesOrderID, TerritoryID
from AdventureWorks.Sales.SalesOrderHeader;
```

	SalesOrderID	TerritoryID
1	43659	5
2	43660	5
3	43661	6
4	43662	6
5	43663	4
6	43664	1
7	43665	1
8	43666	4
9	43667	3
10	43668	6
11	43669	1
12	43670	3
13	43671	1
14	43672	6

```
--4. Write a query to list the name of the Product, ProductID,
OrderQty \
-- and SalesOrderId by joining Product and SalesOrderDetail Tables\
```

```
select Product.Name, Product.ProductID, OrderQty, SalesOrderId
from AdventureWorks.Sales.SalesOrderDetail
inner join AdventureWorks.Production.Product
on AdventureWorks.Sales.SalesOrderDetail.ProductID=AdventureWorks.Production.Product.ProductID
```

Results		Messages		
	Name	ProductID	OrderQty	SalesOrderId
1	Mountain-100 Black, 42	776	1	43659
2	Mountain-100 Black, 44	777	3	43659
3	Mountain-100 Black, 48	778	1	43659
4	Mountain-100 Silver, 38	771	1	43659
5	Mountain-100 Silver, 42	772	1	43659
6	Mountain-100 Silver, 44	773	2	43659
7	Mountain-100 Silver, 48	774	1	43659
8	Long-Sleeve Logo Jer...	714	3	43659
9	Long-Sleeve Logo Jer...	716	1	43659
10	Mountain Bike Socks,...	709	6	43659
11	AWC Logo Cap	712	2	43659
12	Sport-100 Helmet, Blue	711	4	43659
13	Road-650 Red, 44	762	1	43660
14	Road-450 Red, 52	758	1	43660
15	HL Mountain Frame - ...	745	1	43661

```
--5. Write a query to list the name of the Product, ProductID,
Total OrderQty by
ProductID\
-- by joining Product and SalesOrderDetail Tables\
```

```
select Product.Name, Product.ProductID, SUM(OrderQty) AS Total_OrderQty
from AdventureWorks.Sales.SalesOrderDetail
inner join AdventureWorks.Production.Product
on AdventureWorks.Sales.SalesOrderDetail.ProductID=AdventureWorks.Production.Product.ProductID
GROUP BY Product.ProductID, Product.Name
```

Results		Messages	
	Name	ProductID	Total_OrderQty
1	All-Purpose Bike Stand	879	249
2	AWC Logo Cap	712	8311
3	Bike Wash - Dissolver	877	3319
4	Cable Lock	843	1087
5	Chain	952	774
6	Classic Vest, L	866	207
7	Classic Vest, M	865	2284
8	Classic Vest, S	864	4247
9	Fender Set - Mountain	878	2121
10	Front Brakes	948	789
11	Front Derailleur	945	813
12	Full-Finger Gloves, L	863	3378
13	Full-Finger Gloves, M	862	2206
14	Full-Finger Gloves, S	861	500
15	Half-Finger Gloves, L	860	1276

--6. Pick a SalesOrderID from SalesOrderDetail table and find the total OrderQty and Average UnitPrice\

```
select SUM(OrderQty) AS Total_OrderQty,
AVG(UnitPrice) AS Average_UnitPrice
from AdventureWorks.Sales.SalesOrderDetail
where SalesOrderID=43665
```

	Total_OrderQty	Average_UnitPrice
1	20	1022.0069