

```
/*
** Author: Your Name
** Course: IFT/300
** SQL Server Version: Microsoft SQL Server 2021 (SP1)

** OS : Windows
** History
** Date Created  Comments
** 10/06/2025  Data Types
*/
```

1. Write a SELECT statement that returns four columns based on the InvoiceTotal column of the Invoices table.

- Use the CAST function to return the first column as the decimal type with 2 digits to the right of the decimal point.
- Use CAST to return the second column as the varchar type.
- Use the CONVERT function to return the third column as the same data type as the first Column

–query1 USE AP;

```
SELECT
    CAST(InvoiceTotal AS decimal(10,2)) AS FirstColumn,
    Cast(InvoiceTotal AS varchar) AS SecondColumn,
    CONVERT(decimal(10,2), InvoiceTotal) AS ThirdColumn,
    CONVERT(varchar, InvoiceTotal, 1) AS FourthColumn
FROM Invoices;
```

- Use CONVERT to return the fourth column as a varchar, using style 1.

```

--query 1
USE AP;
SELECT
    CAST(InvoiceTotal AS varchar(10)) AS FirstColumn,
    TRY_CONVERT(varchar, InvoiceTotal, 1) AS SecondColumn,
    TRY_CONVERT(varchar, InvoiceTotal, 10) AS ThirdColumn,
    CONVERT(varchar, InvoiceTotal, 1) AS FourthColumn
FROM Invoices;

```

	FirstColumn	SecondColumn	ThirdColumn	FourthColumn
1	3813.33	3813.33	3813.33	3,813.33
2	40.20	40.20	40.20	40.20
3	138.75	138.75	138.75	138.75
4	144.70	144.70	144.70	144.70
5	15.50	15.50	15.50	15.50
6	42.75	42.75	42.75	42.75
7	172.50	172.50	172.50	172.50

–Query 2 2. Write a SELECT statement that returns three columns based on the InvoiceDate column of the Invoices table.

- Use the CAST function to return the first column as the varchar type.
- Use the TRY_CONVERT function to return the second and third columns as the varchar type, using style 1 and style 10 respectively.

```
--query 2
USE AP;
SELECT
    CAST(InvoiceDate AS varchar) AS FirstColumn,
    TRY_CONVERT(varchar, InvoiceDate, 1) AS SecondColumn,
    TRY_CONVERT(varchar, InvoiceDate, 10) AS ThirdColumn
FROM Invoices;
```

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```
1929 */  
1930  
1931  
1932 USE AP;  
1933  
1934  
1935 SELECT  
1936     CAST(InvoiceTotal AS decimal(10,2)) AS FirstColumn,  
1937     Cast(InvoiceTotal AS varchar) AS SecondColumn,  
1938     CONVERT(decimal(10,2), InvoiceTotal) AS ThirdColumn,  
1939     CONVERT(varchar, InvoiceTotal, 1) AS FourthColumn  
1940  
1941 FROM Invoices;  
1942  
1943 --query 2  
1944  
1945 SELECT  
1946     CAST(InvoiceDate AS varchar) AS FirstColumn,  
1947     TRY_CONVERT(varchar, InvoiceDate, 1) AS SecondColumn,  
1948     TRY_CONVERT(varchar, InvoiceDate, 10) AS ThirdColumn  
1949     FROM Invoices;
```

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	FirstColumn	SecondColumn	ThirdColumn	FourthColumn
1	3813.33	3813.33	3813.33	3,813.33
2	40.20	40.20	40.20	40.20

	FirstColumn	SecondColumn	ThirdColumn
1	2022-10-08	10/08/22	10-08-22
2	2022-10-10	10/10/22	10-10-22
3	2022-10-13	10/13/22	10-13-22
4	2022-10-16	10/16/22	10-16-22
5	2022-10-16	10/16/22	10-16-22
6	2022-10-16	10/16/22	10-16-22
7	2022-10-21	10/21/22	10-21-22

Query completed with errors.

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