Assignment 1004

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1. **Write SQL script to declare two numbers and print product of two numbers.**

DECLARE @ data DECIMAL (4,2) =12.999

PRINT @ data

DECLARE @data2 DECIMAL (4,3)=12.0

PRINT @ data2

1. **Research and write the difference between decimal and numeric.**

Both decimal and numeric store numeric data values.

1. **Research and write the difference between float and real.**

Float represent approximate numeric data values (0-24) in 4 bytes. Real is a synonym for float which represents floating point numbers.

1. **Submit all 4 data type categories in a tabular format.**

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| **STRINGS** | **INTEGERS** | **DECIMALS** | **DATE** |
| VARCHAR -name | BIT-1 bit memory | FLOAT | DATE-declare, @dob, set@ |
| CHAR-set number of English characters | TINYINT-1 byte  [0-255] | REAL | SMALLDATETIME- 4bytes, will not store seconds |
| NVARCHAR-unicode, store other languages | SMALLINT-2 bytes | DECIMAL (3,2)=4.21  Take only 17 numbers(17,0) | DATETIME- more range, 8bytes [3.3 milli sec] |
| NCHAR-all languages | INT-4 byts | NUMERIC-(3,2) | TIME-time |
|  | BIGINT-8 bytes |  |  |
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