

Truncate vs delete

-Delete can be used to remove one or more records

-truncate will remove all records and we cannot use the where clause--Delete is a dml statement (will not reset identity) truncate is a DDL statement (will reset identity)

## C#

int, char, string, double, float, decimal, bool

```
int i = 0;
string str = "Hello people";
char chr = 'a'; //ASCII
double dub = 3.1423434d;

decimal deci = 3.142343m;
float flo = 3.142342f;
```

```
bool b = true;

int inte = (int)deci;
string intToString = Convert.ToString(inte);

string stringConcat = "" + inte;

string interpol = $"the value for deci = {deci + 31.23m}";

var assumption = 0;
```

array and matrix

```
//Data type is necessary instead of var for arr4 but the right show only contents
int[] arr4 = { 1, 2, 3 };

//matrixes
int[,] arr5 = new int[2, 3];
//two rows, 3 columns
int[,] arr6 = { { 1, 2, 3 }, { 4, 5, 6 } };

Array.Sort(arr4);
```

functions

```

0 references
public class LearningParameters
{
    0 references
    public int PassByValue(int a, int b)
    {
        a = 100;
        b = 200;
        Console.WriteLine($"a = {a}, b = {b} sum = {a + b} inside function");
        return a + b;
    }
}

0 references
public int PassByReferece(ref int a, ref int b)
{
    a = 100;
    b = 200;
    Console.WriteLine($"a = {a}, b = {b} sum = {a + b} inside function");
    return a + b;
}

```

out keyword

```

0 references
public bool Author(string uname, string pass, out string msg)
{
    msg = "";
    if (uname == "bob" && pass == "Smith")
    {
        msg = "verified";
        return true;
    }
    else
    {
        msg = "not verified";
        return false;
    }
}

```

params keyword

```

lp.ParamsLearning(a:1, str : "AnyString", 1, 2, 3, 4, 5, 6, 6, 3, 2, 1, 3, 4); //Actual parameters

Console.WriteLine("Results : " + msg);

lp.ParamsLearning(1, "AnyString", 1, 2, 3, 4, 5, 6, 6, 3, 2,1,3,4)

void LearningParameters.ParamsLearning(int a, string str, params int[] ints)

```