

Topics:

Comments

Array

Collections

Comments:

Whatever user wants that execution of the program ignores that line can be commented.

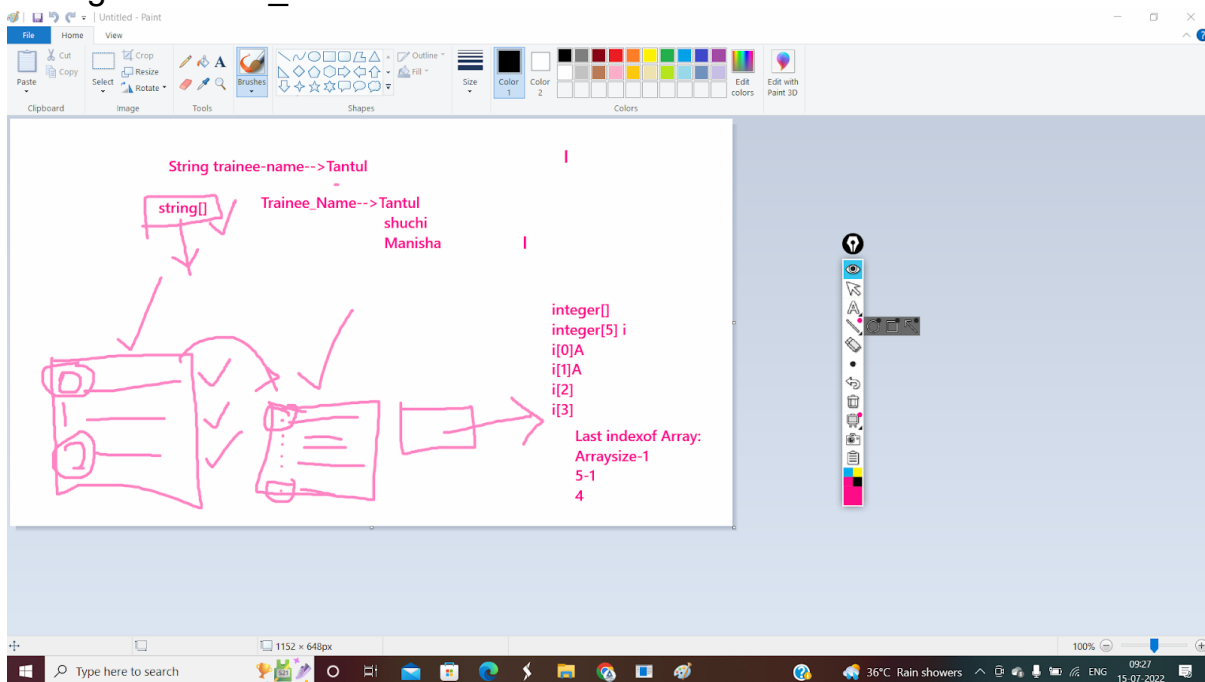
Two ways of comment:

⇒ Single line comment → //

⇒ Multiple line comment → /* — */

Array: group of elements together on the basis of index number.

String → Trainee_Name →



Collections: Collections is a collection or group of elements of similar types.

List, set, map.

There is no limit on the number of items a collection can hold.

Collections in Apex is Lists, sets and methods

1. **List:** is an ordered collection of elements that are distinguished by their indexes. List can have duplicate values.

List can be of any data type-primitive data type, collections, objects etc.

Syntax:

```
List<data type> nameof list=new list<data type>();
```

Example

```
List <string> addresses= new list<string>();
```

```
list<account> act=new list<account>();
```

List Methods:

add(): method is used to add values in a list

add(index,value): add value at a particular index

get(): method gives you value at a particular index

set(): method replaces the value at a particular index.

remove(): method delete a value from a particular index

addAll(): method adds all the values of a list to another list

size():method gives the size of the list

clear():method deletes all the values of a list

Contains:is used to check if the element is available or not.

2. **Set:** Set is an unordered collection of elements that do not contain any duplicates.Set

Types:

add()

size()

contains()

addAll()

remove()

clear()

3. **Maps:**A map is a collection of key-value pairs where each unique key maps to a single value.

Keys are always unique but values can be duplicated.

Map can be of any data type-primitive data type,collections,subjects etc.

Syntax

```
map<datatype,datatype> newmap=new map<data type,datatype>
```

```
map(integer,string> newmap=new map<integer,string>
```

Methods:

get():get the values from a map

put():is used to add values from a map

Putall: is used to add the values of one map to another map

Remove():will delete at a particular index

Values():method returns only the values from a map

Size:

Keyset:method return a set of keys from a map

Clear

Containskey:is a boolean method and check keys from the map.