0, 1, 2, 3, 4 = subscript starts at 0

int[]ages = {26,20,34,40,18};

ages[3] = 39; = changes subscript number 3

console.writeline(ages[2]);

console.writeline(ages[5]); = returns an error because subscript 5 doesn’t exist

string names = new string [6]; = initialize array

const SIZE =5; = usually want to keep at the top of program

string names = new string [SIZE]; = can initialize array like this

const ROW = 3;

const COLS = 4;

int[,] numbers = new int[ROWS,COLS] = the comma tells program that it is a 2D array

int[,] numbers = new int[COLS,ROWS] = error will return 4 rows and 3 columns

|  |  |  |  |
| --- | --- | --- | --- |
| 0,0 | 0,1 | 0,2 | 0,3 |
| 1,0 | 1,1 | 1,2 | 1,3 |
| 2,0 | 2,1 | 2,2 | 2,3 |

console.writeline(numbers[1,2]);

numbers[1,2] = 100;

int[,]numbers = {{1,2,3,4},

{5,6,7,8},

{9,10,11,12}};

int[,]numbers = {{1,2,3,4},

{5,6},

{9,10,12}}; = jagged array, gets confusing quick

ages[5];

numbers[7];

ages.length(); = returns 5

for (int x=0; x <= ages.length(); x++)

{

console.writeline(ages[x]);

} = doesn’t matter what you name it the scope exists only in the for loop, only for single arrays

numbers [ROWS,COLS]

for (int row=0; row<= ROWS; row++)

{

for (int col=0; col<= COLS; col++)

{

console.writeline(names[row,col]);

}

} = for 2D arrays will print everything inside

[] = square brackets tell the program that it is an array, comes after data type e.g. int[]

[,] = comma in square brackets tell the program it is a 2D array

line = “this works”

number = 10

wl(line);

(“will this work ”+line + “number “ + number);

(“will this work{0} number{1}”, line, number); = line and number represent subscript

($”will this work {line} number {number}”);

Menu driven with play game button, then game should start and display “You are in: Entrance”, if type north then “You are in: Hall”, if type south then go back to “You are in: Entrance”

Do not put names in alphabetical order, but it should display in alphabetical order