**Array Worksheet:**

**Name:**

Look at the table of data below, it shoes the test scores of four students. Complete each of the numbered activities below. Check with your teacher or another student that it is correct before moving on.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Year Group** | **Test 1** | **Test 2** | **Test 3** |
| Samantha | 11 | 56 | 34 | 34 |
| Chaz | 10 | 34 | 23 | 12 |
| Brenda | 12 | 23 | 55 | 78 |
| Clint | 11 | 89 | 45 | 94 |

1. Create an empty Array called results
2. Whose name is displayed with code print(results[2]) is entered?
3. Whose name is displayed with code print(results[4]) is entered?
4. Create a 2D array of the names and Year Group
5. What code is required to print only the year groups?
6. Now add the Test 1 scores to your area
7. Print the data in reverse order by the test 1 score
8. Whose name is displayed with code print(results[2][3]) is entered?
9. What is the code to pint Clint’s test 1 score
10. Print all the Test 2 scores
11. Print all the test two scores greater than 40
12. Change Samantha’s test 2 score from 34 to 86, without directly editing it in the array
13. What is the average test score for Test 3
14. What is the average test score for Test 1
15. Print the data as a table