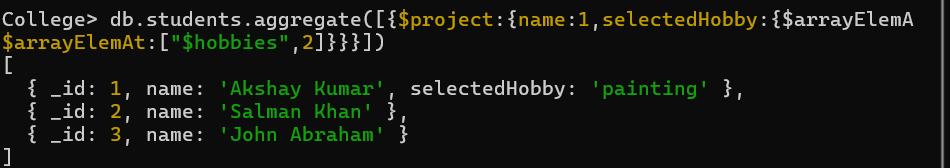
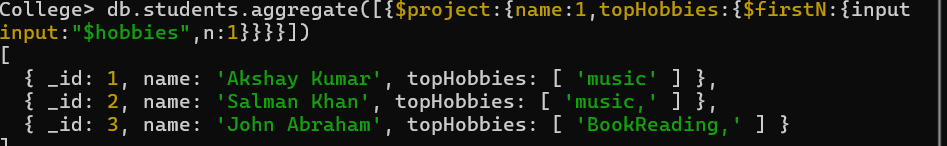
Que 1. How do project the name and the third hobby using $arrayElemAt?



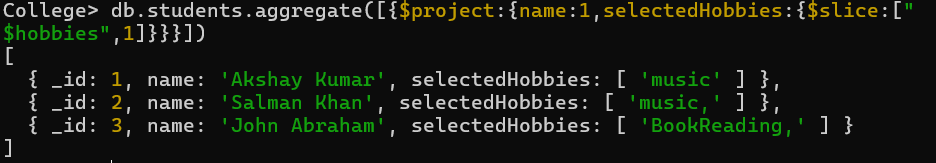
Que 2. Write a query to display each students name along with their top (first) hobby from the list of hobbies.



Que 3. How can you retrieve the first hobby of each student using $firstN?



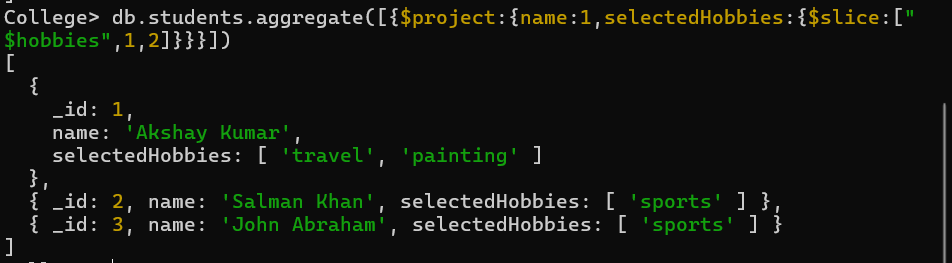
Que 4. How can you retrieve the last hobbies from a student’s hobby list using $lastN?



Que 5. How can you retrieve all hobbies starting from the second element using $slice with one argument?



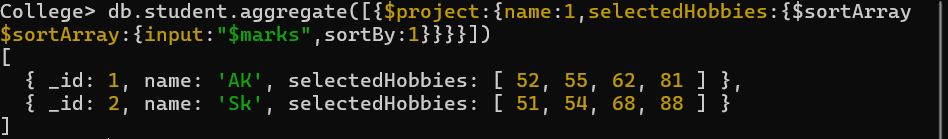
Que 6. How do you retrieve the first two hobbies from a list using $slice with two arguments?



Que 7. How do you retrieve the first two hobbies from a list using $sortArray with two arguments?



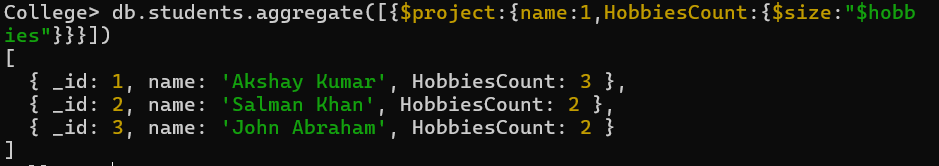
Que 8. How can you sort a student's marks array in ascending order using $sortArray?



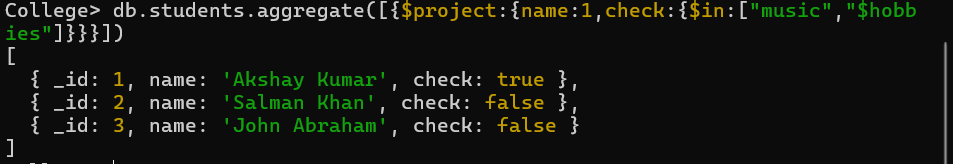
Que 9. How can you reverse the order of elements in a hobbies array using $reverseArray?



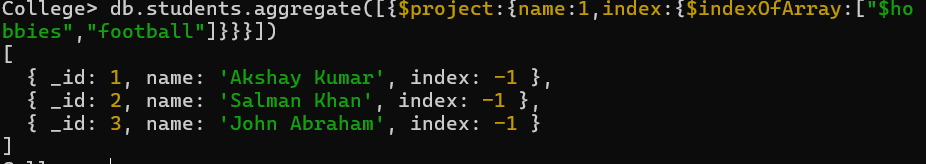
Que 10. How can you count the number of hobbies for each student using $size?



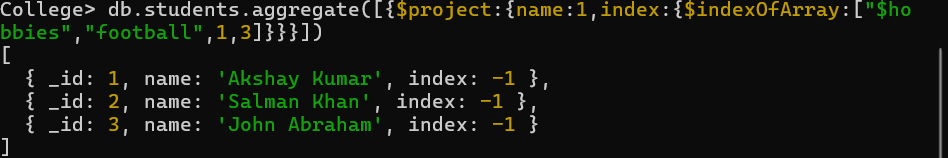
Que 11. How do you check if a specific hobby exists in the hobbies array using $in?



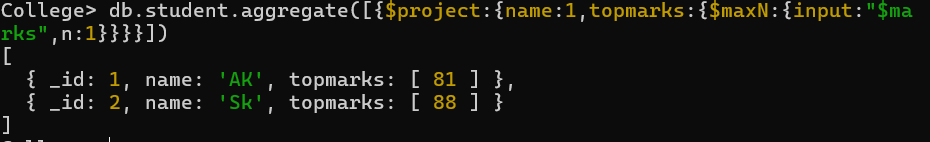
Que 12. **How can you find the index of an element within the hobbies array using $indexOfArray?**



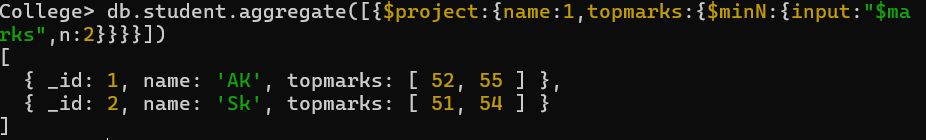
Que 13. How can you search for an element within a specific range of indices using $indexOfArray with optional parameters?



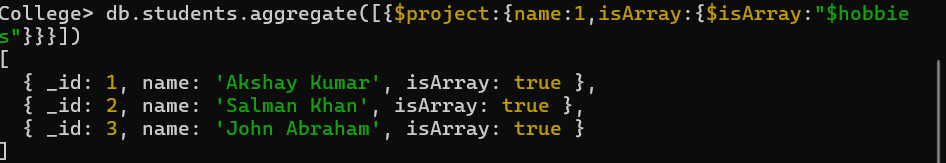
Que 14. How do you retrieve the highest mark from the marks array using $maxN?



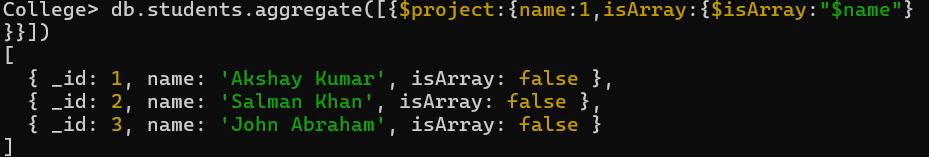
Que 15. How do you retrieve the two lowest marks from the marks array using $minN?



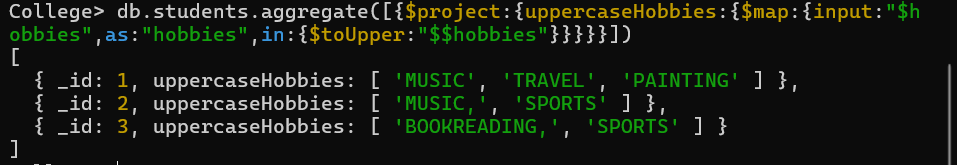
Que 16. How do you check if a field is an array using $isArray?



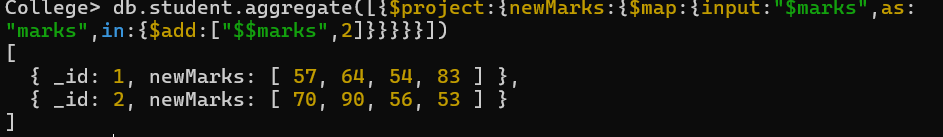
Que 17. How do you check if a non-array field like a name is an array using $isArray?



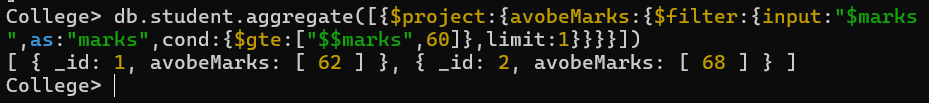
Que 18. How can you convert all elements in a hobbies array to uppercase using $map and $toUpper?



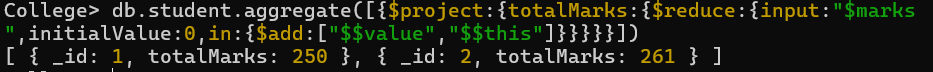
Que 19. How do you increment each element in the marks array using $map and $add?



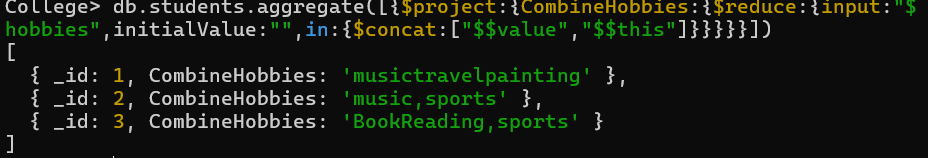
Que 20. How do you filter elements in the marks array greater than or equal to 60 using $filter with limit?



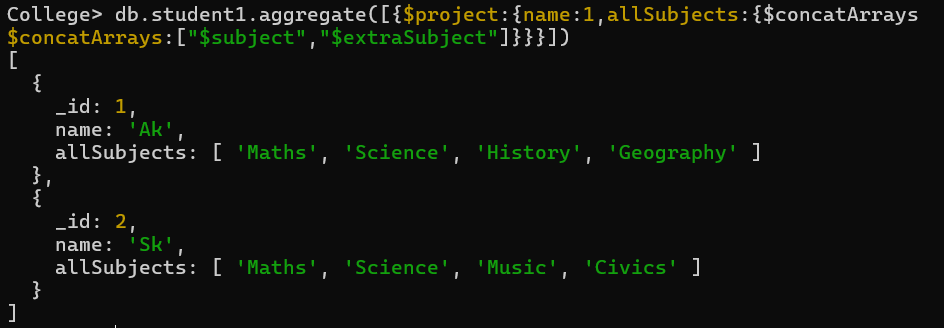
Que 21. How do you calculate the total of all marks using $reduce?



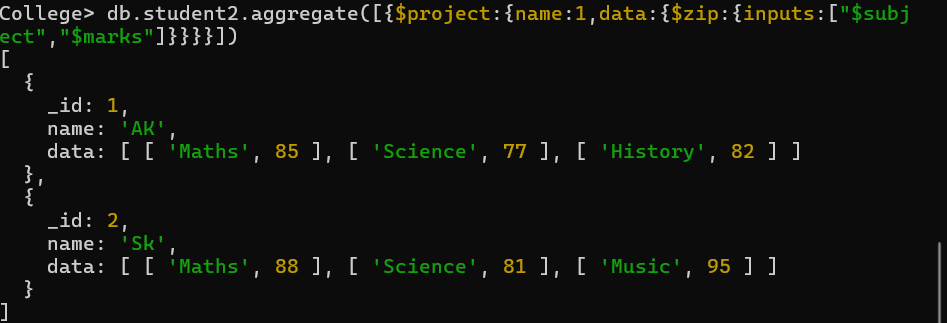
Que 22. How do you concatenate all elements in the hobbies array into a single string using $reduce and $concat?



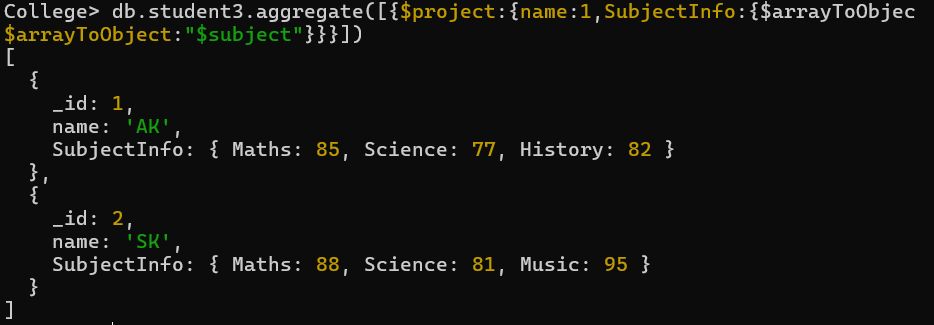
Que 23. How do you combine two arrays like subject and extraSubject into one using $concatArrays?



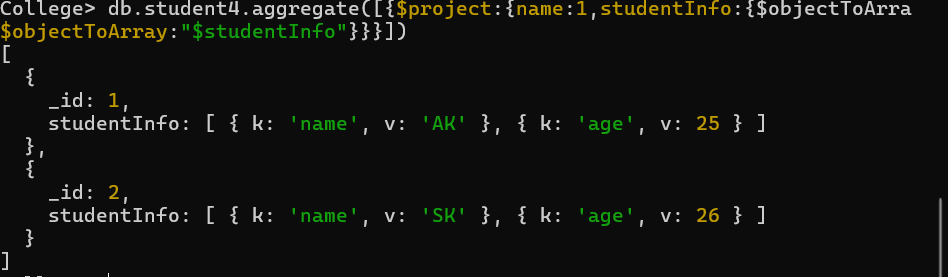
Que 24. How do you zip two arrays (e.g., subjects and marks) into an array of pairs using $zip?



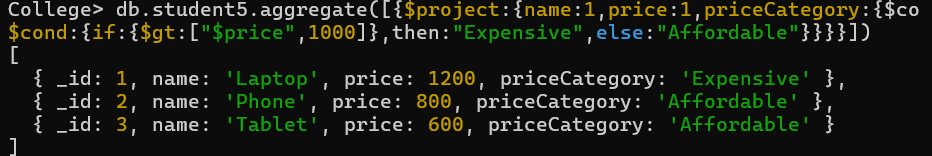
Que 25.  **How do you convert an array of key-value pairs into an object using $arrayToObject?**



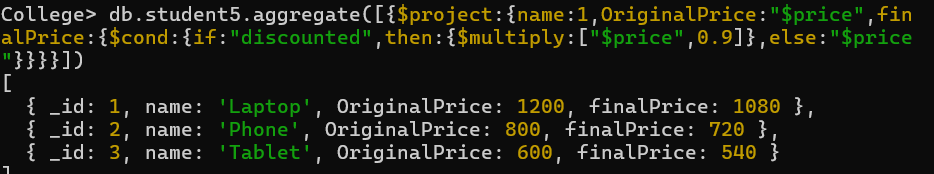
Que 26. How do you convert an object into an array of key-value pairs using $objectToArray?



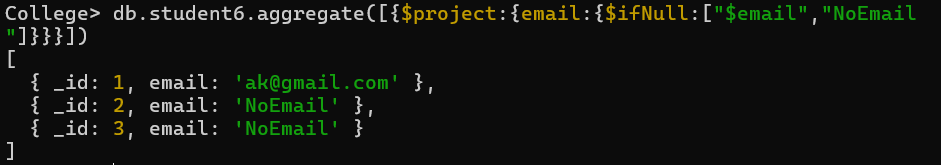
Que 27. How do you categorize a product based on price using $cond (e.g., Expensive vs. Affordable)?



Que 28. How do you apply a discount to the price conditionally using $cond?



Que 29. How do you handle missing email values by providing a default using $ifNull or $cond?



Que 30. Write a query to combine documents from the student collection with those from the personal collection.

