

## ALGORITHM

- Step-1 :- START
- Step-2 :- Create a class named as quiz.
- Step-3 :- Create a method named as main. In this function, declare a Scanner variable named as sc and initialize it with new Scanner(System.in). Now using the sc variable, take the input of the number of participants in the quiz in a variable named as n. Create two arrays named as answers[] [] and key[] of size n and of type char respectively. Using two for loops (from 0 to n-1), take the input of the answers of the participants in the answers[] [] array and the correct answers in the key[] array. Now, using two for loops (from 0 to n-1), compare the answers of the participants with the correct answers storing them in an array score[] and print the number of correct answers of each participant. Now, compare each score with the maximum score and print the number of participants who have scored the maximum score. Now Print the number of participants who have scored the maximum score.
- Step-4 :- END

## VD TABLE

Sr. No.	Variable	Data Type	Description
1	n	int	Number of participants in the quiz
2	answers[] []	char	Array to store the answers of the participants
3	key[]	char	Array to store the correct answers
4	score[]	int	Array to store the number of correct answers of each participant
5	hscore	int	Variable to store the maximum score
6	i	int	To store the index of the array
7	j	int	To store the index of the array

## OUTPUT

```
BlueJ: Terminal Window - basic
Options
Enter the Number of Participants (N): 5
Enter answers of participants
Participant 1
D A B C C
Participant 2
A A D C B
Participant 3
B A C D B
Participant 4
D A D C B
Participant 5
B C A D D
Enter Answer Key:
B C D A A
Scores:
Participant 1 = 0
Participant 2 = 1
Participant 3 = 1
Participant 4 = 1
Participant 5 = 2
Highest Score:
Participant 5
```