

**DAILY ONLINE ACTIVITIES SUMMARY**

<b>Date:</b>	<b>20/06/2020</b>	<b>Name:</b>	<b>Gautham Prabhu</b>
<b>Sem &amp; Sec</b>	<b>8<sup>th</sup> Sem</b>	<b>USN:</b>	<b>4AL16CS035</b>
<b>Online Test Summary</b>			
<b>Subject</b>	<b>- -</b>		
<b>Max. Marks</b>	<b>- -</b>	<b>Score</b>	<b>- -</b>
<b>Certification Course Summary</b>			
<b>Course</b>	<b>Practical MongoDB : For Absolute Beginners [NoSQL Database]</b>		
<b>Certificate Provider</b>	<b>udemy.com/</b>	<b>Duration</b>	<b>2 hrs</b>
<b>Coding Challenges</b>			
<b>Problem Statement: 1) Write a C Program to rotate an array by K positions.</b>			
<b>Status: Completed</b>			
<b>Uploaded the report in Github</b>		<b>Yes</b>	
<b>If yes Repository name</b>		<b>Daily_report</b>	
<b>Uploaded the report in slack</b>		<b>yes</b>	

## Online Test Details:

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## Certification Course Details:

The screenshot shows a web browser window displaying the Udemy course page for "Practical MongoDB : For Absolute Beginners [NoSQL Database]". The browser's address bar shows the URL: <https://www.udemy.com/course/mastering-mongodb/learn/lecture/9399046#overview>. The Udemy logo is visible in the top left corner of the page. The course title is "Practical MongoDB : For Absolute Beginners [NoSQL Database]". The page includes a "Course content" sidebar on the right with the following sections:

- Section 2: MongoDB Basics Queries (2 / 2 | 7min)
- Section 3: MongoDB Advanced Queries (2 / 2 | 9min)
- Section 4: MongoDB Projects with PHP (2 / 2 | 9min)
- Section 5: Advanced MongoDB Projects with PHP (8 / 8 | 30min)
- Section 6: Bonus Section: PHP Basics + Advanced (6 / 6 | 31min)
- Section 7: Working with Git (2 / 2 | 9min)

The main content area shows a video player with a loading spinner. Below the video player, there are tabs for "Overview", "Q&A", "Notes", and "Announcements". The "About this course" section states: "Master yourself in MongoDB with Hands-on Practical Examples, Learn PHP Basics & Advanced, Work with Git, JSON and XML".



## Coding Challenges Details:

### Program 1:

```
#include <stdio.h>
```

```
void rightRotate(int A[], int k, int n)
```

```
{
```

```
    int aux[k];
```

```
    for (int i = 0; i < k; i++)
```

```
        aux[i] = A[n-k+i];
```

```
    for (int i = n-k-1; i >= 0; i--)
```

```
        A[i+k] = A[i];
```

```
    for (int i = 0; i < k; i++)
```

```
        A[i] = aux[i];
```

```
    for (int i = 0; i < n; i++)
```

```
        printf("%d ", A[i]);
```

```
    printf("\n");
```

```
}
```

```
void main()
```

```
{
```

```
    int A[50],k,n;
```

```
    printf("Enter the size of array :\n");
```

```
    scanf("%d",&n);
```

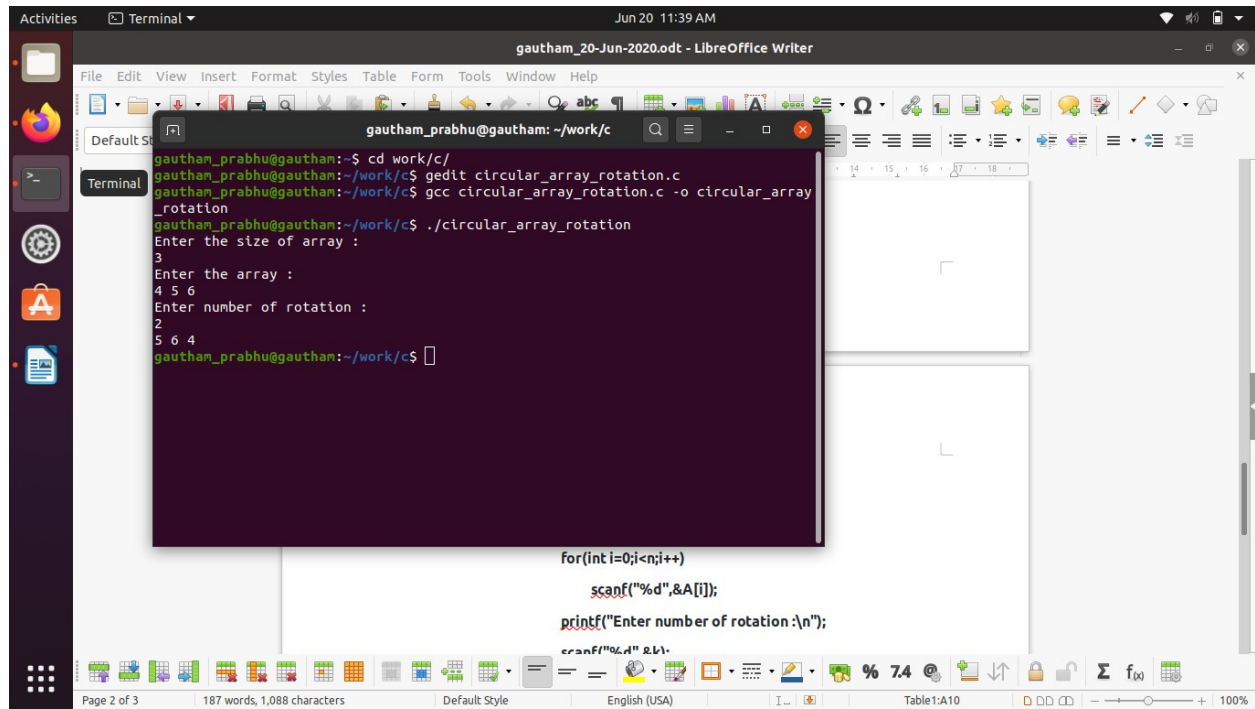
```
    printf("Enter the array :\n");
```

```
    for(int i=0;i<n;i++)
```

```
        scanf("%d",&A[i]);
```

```
    printf("Enter number of rotation :\n");
```

```
scanf("%d",&k);  
rightRotate(A, k, n);  
}
```



The screenshot shows a Linux desktop environment. In the foreground, a terminal window is open, displaying the following commands and output:

```
gautham_prabhu@gautham:~$ cd work/c/  
gautham_prabhu@gautham:~/work/c$ gedit circular_array_rotation.c  
gautham_prabhu@gautham:~/work/c$ gcc circular_array_rotation.c -o circular_array_rotation  
gautham_prabhu@gautham:~/work/c$ ./circular_array_rotation  
Enter the size of array :  
3  
Enter the array :  
4 5 6  
Enter number of rotation :  
2  
5 6 4  
gautham_prabhu@gautham:~/work/c$
```

In the background, a LibreOffice Writer window is open, showing a document titled "gautham\_20-Jun-2020.odt". The document content is partially visible, showing a table with the following data:

	14	15	16	17	18
A					

The terminal window also shows the following code snippet:

```
for(int i=0;i<n;i++)  
scanf("%d",&A[i]);  
printf("Enter number of rotation :\n");  
scanf("%d",&k);
```