

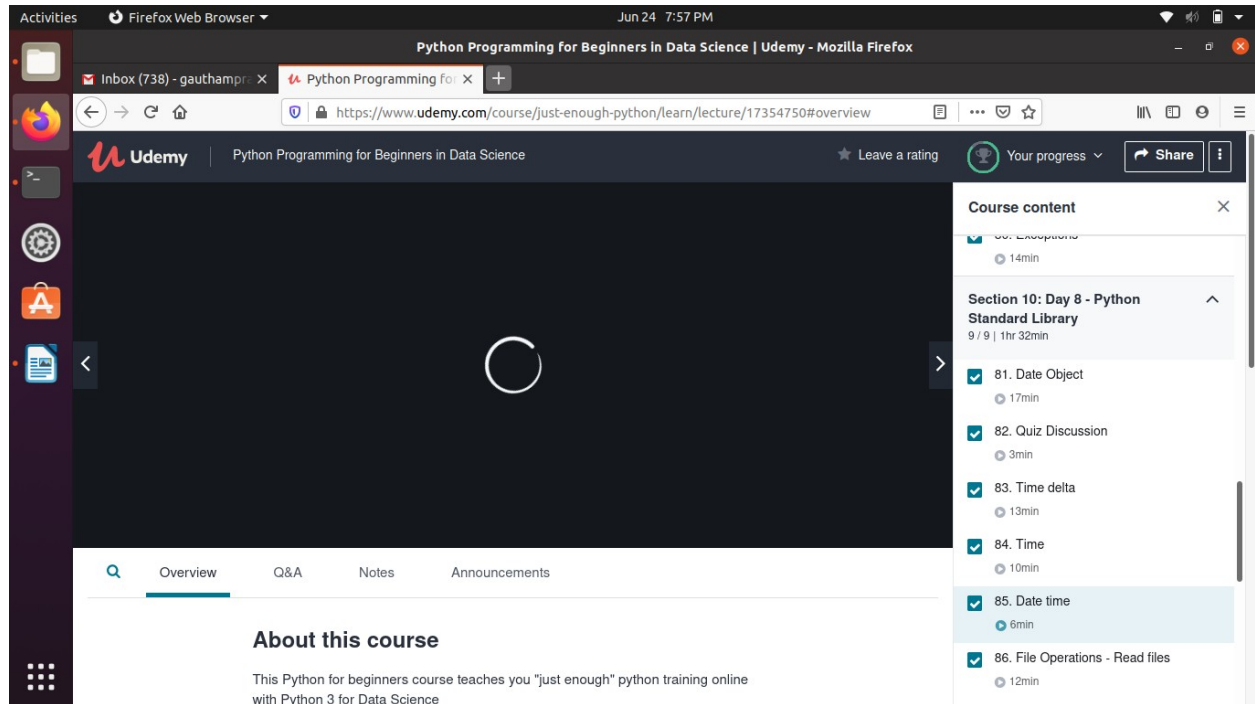
DAILY ONLINE ACTIVITIES SUMMARY

Date:	24/06/2020	Name:	Gautham Prabhu
Sem & Sec	8th Sem	USN:	4AL16CS035
Online Test Summary			
Subject	- -		
Max. Marks	- -	Score	- -
Certification Course Summary			
Course	Python Programming for Beginners in Data Science		
Certificate Provider	udemy.com/	Duration	3 hrs
Coding Challenges			
Problem Statement: 1) Write a C Program to merge two Sorted arrays			
Status: Completed			
Uploaded the report in Github		Yes	
If yes Repository name		Daily_report	
Uploaded the report in slack		yes	

Online Test Details:

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Certification Course Details:



Coding Challenges Details:

Program 1:

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

```
#include <stdlib.h>
```

```
int merge_two_sorted_arrays(int arr1[], int arr2[], int arr3[], int m, int n)
```

```
{
```

```
    int i,j,k;
```

```
i = j = k = 0;

for(i=0;i < m && j < n;)
{
    if(arr1[i] < arr2[j])
    {
        arr3[k] = arr1[i];

        k++;

        i++;
    }
    else
    {
        arr3[k] = arr2[j];

        k++;

        j++;
    }
}

while(i < m)
{
    arr3[k] = arr1[i];

    k++;

    i++;
```

```
}  
  
while(j < n)  
{  
  
    arr3[k] = arr2[j];  
  
    k++;  
  
    j++;  
  
}  
  
}  
  
int main()  
{  
  
    int n,m;  
  
    printf("\nEnter the size of Array 1 : ");  
  
    scanf("%d",&m);  
  
    printf("\nEnter the size of Array 2 : ");  
  
    scanf("%d",&n);  
  
    int arr1[m],arr2[n];  
  
    int arr3[m+n];  
  
    int i;  
  
    printf("\nInput the Array 1 elements : ");  
  
    for(i = 0; i < m; i++)  
  
    {
```

```
        scanf("%d",&arr1[i]);
    }

    printf("\nInput the Array 2 elements : ");

    for(i = 0;i<n;i++)
    {
        scanf("%d",&arr2[i]);
    }

    merge_two_sorted_arrays(arr1,arr2,arr3,m,n);

    printf("\nThe Merged Sorted Array : ");

    for(i = 0; i < n + m; i++)
    {
        printf("%d ",arr3[i]);
    }

    printf("\n");

    return 0;
}
```

The image shows a Linux desktop environment. On the left is a vertical dock with icons for Activities, Terminal, Firefox, and the Dash. The main workspace contains two windows. The foreground window is a terminal titled 'gautham_prabhu@gautham: ~/work/c'. It shows the execution of a C program: 'gcc merge_sorted_array.c -o merge_sorted_array' followed by './merge_sorted_array'. The program prompts for the size of two arrays (3 and 2) and their elements (1 6 7 and 2 3), then outputs the merged sorted array: '1 2 3 6 7'. The background window is a web browser showing a Gmail inbox. The browser's address bar indicates the user is logged into 'gauthamprabhu245@gmail.com'. The inbox lists several emails, including promotional messages from Udeemy and official communications from Capita India, Randstad India, Adasoft India, and the National Career Service (NCS).