

DAILY ONLINE ACTIVITIES SUMMARY

Date:	21/06/2020	Name:	Prajwal
Sem & Sec	IV sem & B sec	USN:	4AL18CS057
Online Test Summary			
Subject	-----		
Max. Marks	----	Score	----
Certification Course Summary			
Course	Python For Data Science		
Certificate Provider	COGNITIVE CLASS	Duration	12 hours
Coding Challenges			
Problem Statement: 1. Write a C program to rotate an array by K positions.			
Status: Done			
Uploaded the report in Github		YES	
If yes Repository name		https://github.com/PRAJWALKOTIAN/lockdown-coding	
Uploaded the report in slack		YES	

Online test details

No test was conducted dated on 21 june 2020 (Sunday).

Certification Course Details

The course I have chosen is python for data science in this I studied some basic concepts of sets and its applications.

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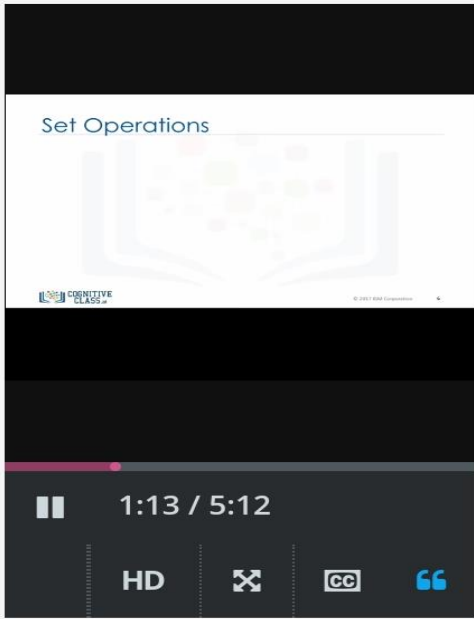
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Sets (5:12)

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Sets (5:12)



Set Operations

1:13 / 5:12

HD

CC

set returns a set. Notice how there are no duplicate elements.

Let's go over Set Operations; these can be used to change the set.

Consider the set "A". Let's represent this set with a circle.

Video

[Download video file](#)

Coding Challenges Details

The bellow given codes are there on my github repository <https://github.com/PRAJWALKOTIAN/lockdown-coding>

1. Write a C program to rotate an array by K positions.

```
4G 6:44 0.00 KB/s VoLTE 4G 39%
void displayMatrix(int mat[][N],int N);
void rotateMatrix(int mat[][N], int N)
{
    for (int x = 0; x < N / 2; x++) {
        for (int y = x; y < N - x - 1; y++) {
            int temp = mat[x][y];
            mat[x][y] = mat[y][x];
            mat[y][N - 1 - x] = temp;
            mat[N - 1 - x][N - 1 - y] = mat[N - 1 - y][x];
        }
    }
}

void displayMatrix(int mat[][N], int N)
{
    for (int i = 0; i < N; i++) {
        for (int j = 0; j < N; j++) {
            printf("%2d ", mat[i][j]);
        }
        printf("\n");
    }
}

int main()
{
    int N;
    printf("Enter size of square matrix: ");
    scanf("%d",&N);
    int mat[N][N];
    printf("Enter matrix elements :\n");
    for(int i=0;i<N;i++)
        for(int j=0;j<N;j++)
            scanf("%d",&mat[i][j]);

    rotateMatrix(mat,N);
    displayMatrix(mat,N);
}
```