

DAILY ONLINE ACTIVITIES SUMMARY

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|--|--|-----------------|------------------------------|
| Date: | 19/06/2020 | Name: | M C Suchithra Heggade |
| Sem & Sec | 6th sem& A sec | USN: | 4AL17CS047 |
| Online Test Summary | | | |
| Subject | Programming in C (Quiz) | | |
| Max. Marks | - | Score | - |
| Pre-Placement Training Summary | | | |
| Pre placement training | 9:00 am to 11:00 am - Programming in C 11:00 am to 1:00pm - Applications of python in DA and ML | | |
| Faculty | Ms.Shilpa Dr.Mohideen Badusha | Duration | 4 hr |
| Assessments | | | |
| Problem Statement: 1. Examples and Exercises on python. 2. Rotation Write a C Program to rotate a Matrix by 90 Degree in Clockwise or Anticlockwise Direction 3.swap swap 2 numbers using pointers 4.,DLL Write a Java program to create a doubly linked list of n nodes and display it in reverse order | | | |
| Status: Completed | | | |
| Uploaded the report in Github | | Yes | |

| | |
|------------------------------|--|
| If yes Repository name | https://github.com/Suchitraheggade/certification-and-Online-coding https://github.com/Suchitraheggade/Workshop-on-Application-Python-Program |
| Uploaded the report in slack | Yes |

Training snapshots:

REC S Shilpa Ygowda is presenting RACHANA K N and 94 more 9:28 AM You

Double Pointer

- Pointer variable which stores the address of another pointer variable, it is known as **Pointer to Pointer** variable or **Double Pointer**.
- Syntax
datatype ** ptr_variable name;

Activate Windows

Programming in C – Ms.shilpa ^

Turn on captions Shilpa Ygowda is presenting

Assessments:

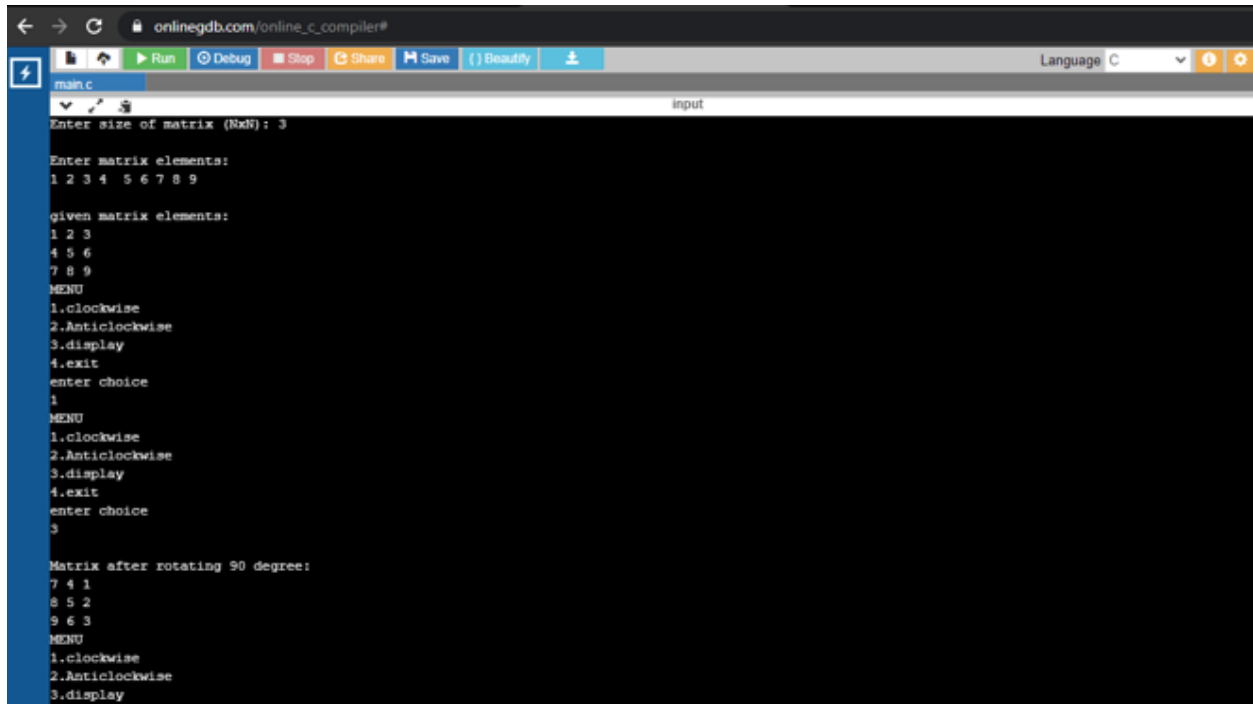
Uploaded in github account and respective links are provided.

<https://github.com/Suchitraheggade/Workshop-on-Application-Python-Program>

Coding Challenges:

1. Rotation

Write a C Program to rotate a Matrix by 90 Degree in Clockwise or Anticlockwise Direction



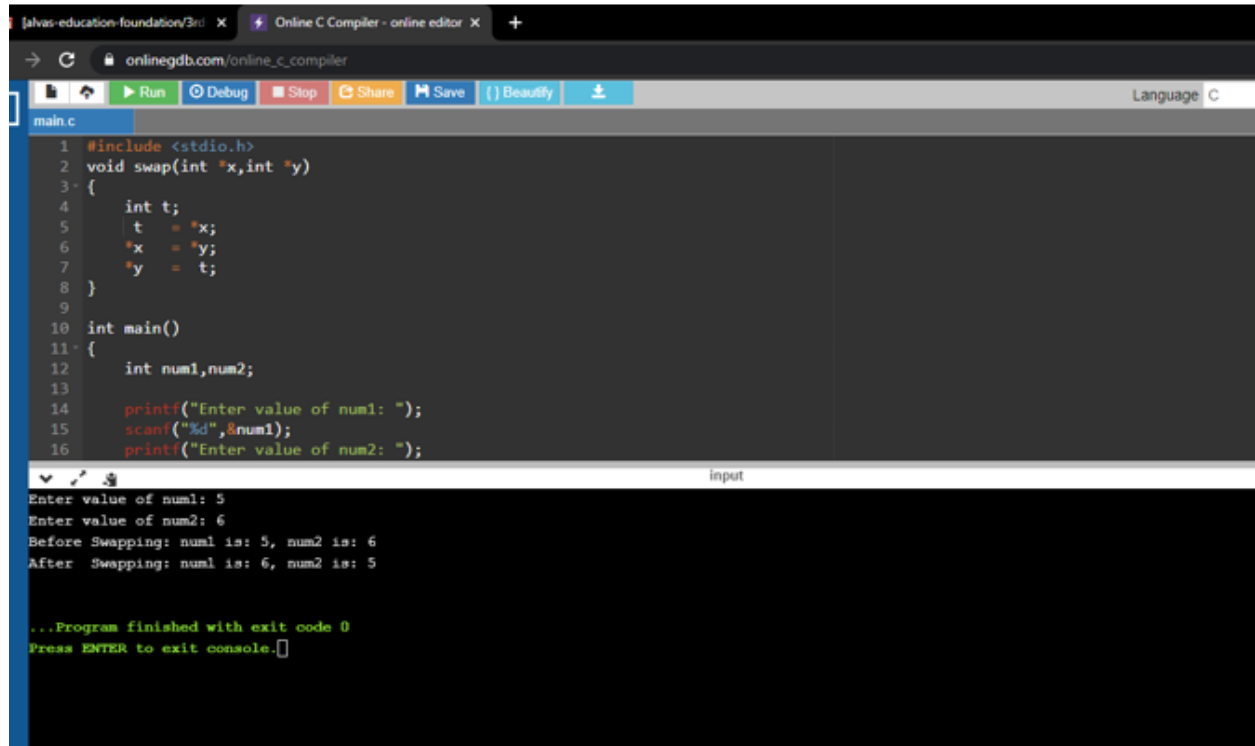
```
onlinegdb.com/online_c_compiler#
main.c
input
Enter size of matrix (NxN): 3
Enter matrix elements:
1 2 3 4 5 6 7 8 9
given matrix elements:
1 2 3
4 5 6
7 8 9
MENU
1.clockwise
2.Anticlockwise
3.display
4.exit
enter choice
1
MENU
1.clockwise
2.Anticlockwise
3.display
4.exit
enter choice
3
Matrix after rotating 90 degree:
7 4 1
8 5 2
9 6 3
MENU
1.clockwise
2.Anticlockwise
3.display
```

The screenshot shows a web browser with three tabs: 'jalvas-education-foundation/3rd', 'New File', and 'Online C Compiler - online editor'. The address bar shows 'onlinegdb.com/online_c_compiler#'. The interface includes a toolbar with buttons for Run, Debug, Stop, Share, Save, and Beautify. The language is set to 'C'. The editor shows a file named 'main.c' with the following code:

```
1.clockwise
2.Anticlockwise
3.display
4.exit
enter choice
2
MENU
1.clockwise
2.Anticlockwise
3.display
4.exit
enter choice
2
MENU
1.clockwise
2.Anticlockwise
3.display
4.exit
enter choice
3
Matrix after rotating 90 degree:
3 6 9
2 5 8
1 4 7
MENU
1.clockwise
2.Anticlockwise
3.display
4.exit
enter choice
4
```

2.Swap

Swap 2 numbers using pointers.



The screenshot shows a web browser with two tabs: 'jalvas-education-foundation/3rd' and 'Online C Compiler - online editor'. The address bar shows 'onlinegdb.com/online_c_compiler'. Below the browser is a toolbar with buttons for Run, Debug, Stop, Share, Save, and Beautify. The main area is a code editor with a file named 'main.c'. The code is a C program that swaps two integers. The console output shows the program's execution with input values 5 and 6, and the resulting swapped values 6 and 5.

```
1 #include <stdio.h>
2 void swap(int *x,int *y)
3 {
4     int t;
5     t = *x;
6     *x = *y;
7     *y = t;
8 }
9
10 int main()
11 {
12     int num1,num2;
13
14     printf("Enter value of num1: ");
15     scanf("%d",&num1);
16     printf("Enter value of num2: ");
17     scanf("%d",&num2);
18
19     swap(&num1,&num2);
20
21     printf("Before Swapping: num1 is: %d, num2 is: %d\n",num1,num2);
22     printf("After Swapping: num1 is: %d, num2 is: %d\n",num1,num2);
23 }
```

input


Enter value of num1: 5
Enter value of num2: 6
Before Swapping: num1 is: 5, num2 is: 6
After Swapping: num1 is: 6, num2 is: 5

...Program finished with exit code 0
Press ENTER to exit console.

3.DLL

Write a Java program to create a doubly linked list of n nodes and display it in reverse order.

jdoodle.com/online-java-compiler/

Sponsored:  The Ruby Blend Podcast Episode #14 "BridgetownRB, RailsBytes, & ApplLocale" [Listen](#)

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}

```
public void display() {  
    //Node current will point to head  
    Node current = head;  
    if(head == null) {  
        System.out.println("List is empty");  
        return;  
    }  
    while(current != null) {  
        //Prints each node by incrementing the pointer.  
        System.out.print(current.data + " ");  
        current = current.next;  
    }  
}  
  
public static void main(String[] args) {  
    Reverselist dlist = new Reverselist();  
    //Add nodes to the list  
    dlist.addNode(1);  
    dlist.addNode(2);  
    dlist.addNode(3);  
    dlist.addNode(4);  
    dlist.addNode(5);  
    System.out.println("Original List: ");  
    dlist.display();  
    //Reverse the given list  
    dlist.reverse();  
    //Displays the reversed list  
    System.out.println("\nReversed List: ");  
    dlist.display();  
}
```

Execute Mode, Version, Inputs & Arguments

JDK 11.0.4

Stdin Inputs

☐ Interactive

CommandLine Arguments

Execute


...

db

Result

CPU Time: 0.18 sec(s), Memory: 33852 kilobyte(s) compiled and executed in 0.863 s

Original List:
1 2 3 4 5
Reversed List:
5 4 3 2 1

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