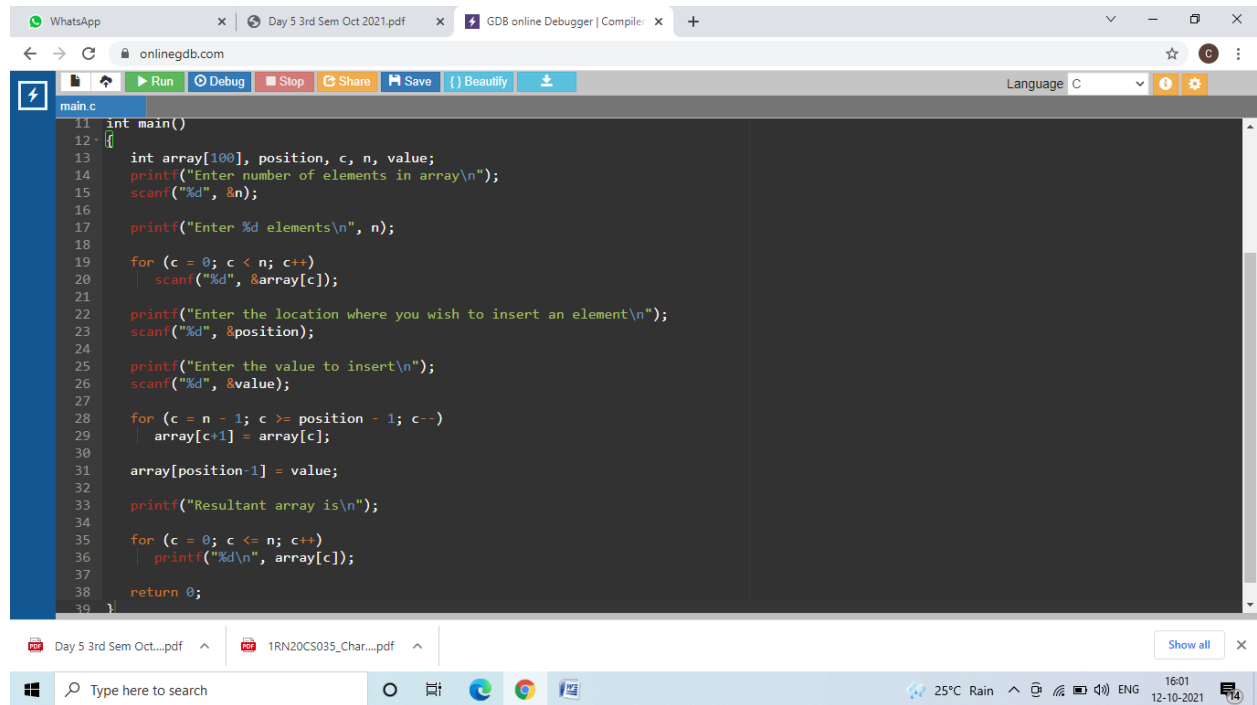


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JOY OF CODING DAY – 5

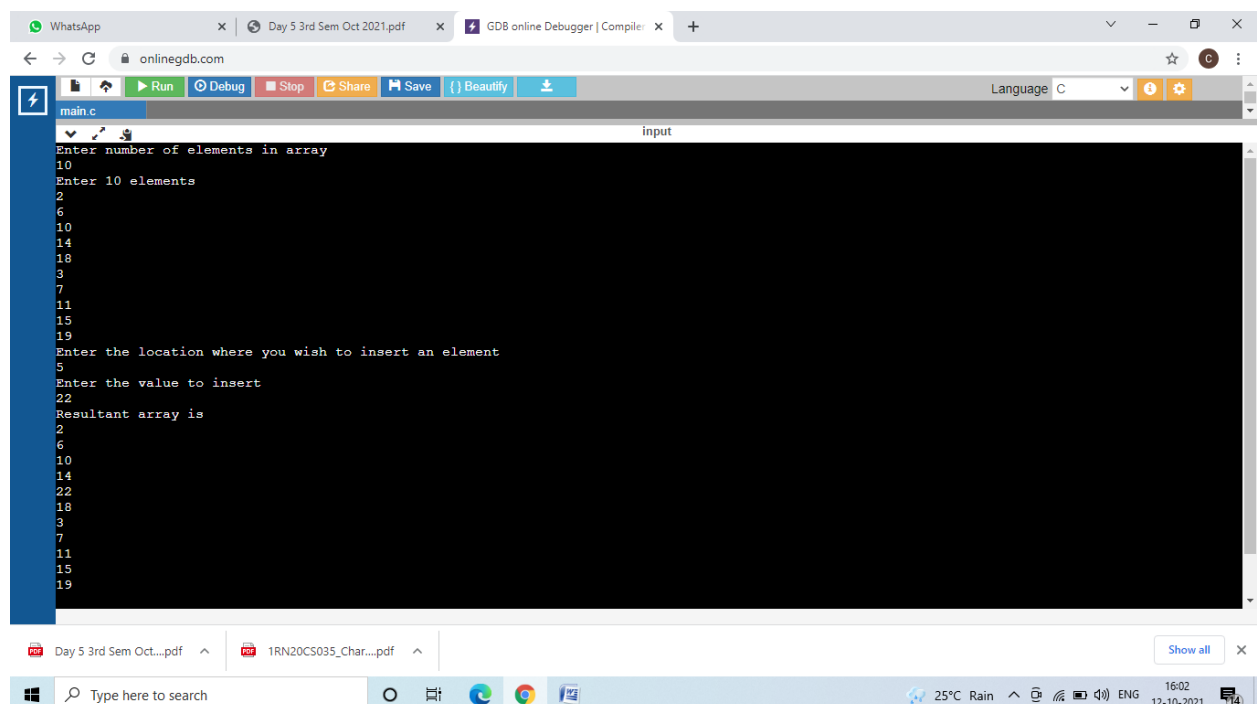
1.



The screenshot shows the GDB online Debugger interface with the following C code in `main.c`:

```
11 int main()
12 {
13     int array[100], position, c, n, value;
14     printf("Enter number of elements in array\n");
15     scanf("%d", &n);
16
17     printf("Enter %d elements\n", n);
18
19     for (c = 0; c < n; c++)
20         scanf("%d", &array[c]);
21
22     printf("Enter the location where you wish to insert an element\n");
23     scanf("%d", &position);
24
25     printf("Enter the value to insert\n");
26     scanf("%d", &value);
27
28     for (c = n - 1; c >= position - 1; c--)
29         array[c+1] = array[c];
30
31     array[position-1] = value;
32
33     printf("Resultant array is\n");
34
35     for (c = 0; c <= n; c++)
36         printf("%d\n", array[c]);
37
38     return 0;
39 }
```

The browser tabs include "WhatsApp", "Day 5 3rd Sem Oct 2021.pdf", and "GDB online Debugger | Compiler". The Windows taskbar at the bottom shows the search bar, task view, and system tray with a temperature of 25°C and rain.

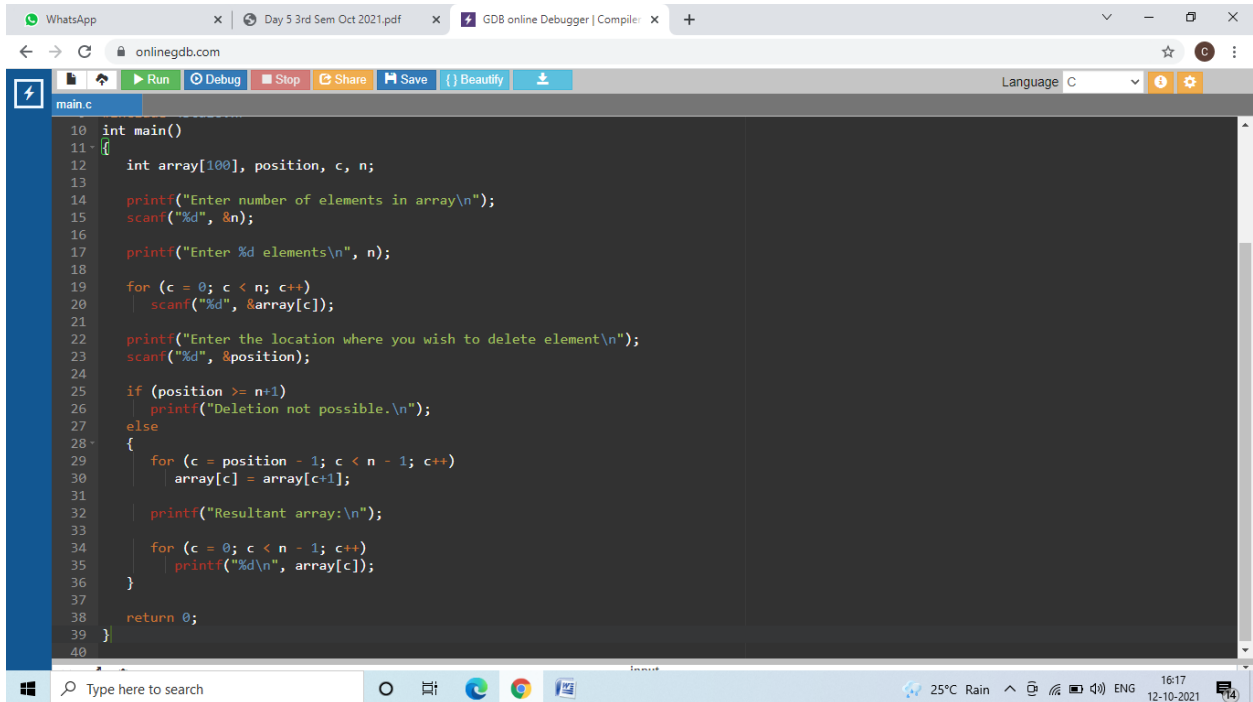


The screenshot shows the GDB online Debugger interface with the program's output displayed in the console window:

```
main.c
Enter number of elements in array
10
Enter 10 elements
2
6
10
14
18
3
7
11
15
19
Enter the location where you wish to insert an element
5
Enter the value to insert
22
Resultant array is
2
6
10
14
22
18
3
7
11
15
19
```

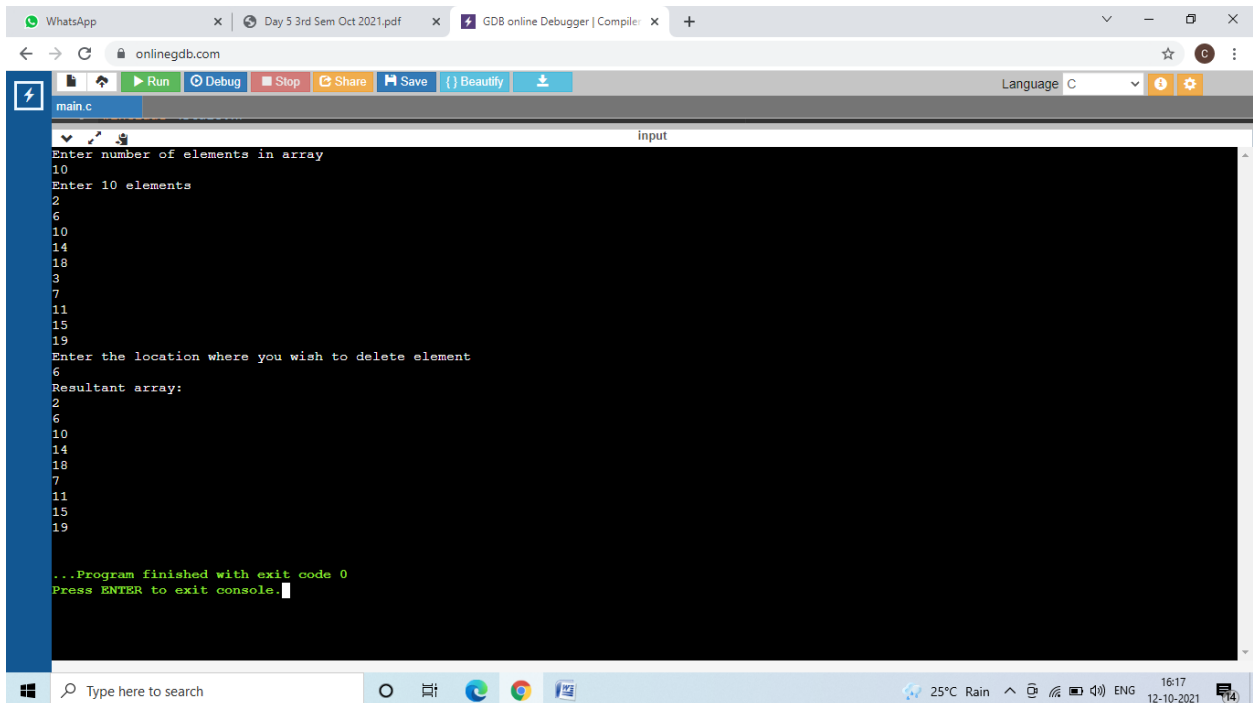
The browser tabs and Windows taskbar are identical to the previous screenshot.

2.



The screenshot shows the onlinegdb.com web interface. The browser tabs include WhatsApp, Day 3 3rd Sem Oct 2021.pdf, and GDB online Debugger | Compiler. The address bar shows onlinegdb.com. The interface has a top toolbar with buttons for Run, Debug, Stop, Share, Save, and Beautify. The language is set to C. The code editor shows the following C code:

```
10 int main()
11 {
12     int array[100], position, c, n;
13
14     printf("Enter number of elements in array\n");
15     scanf("%d", &n);
16
17     printf("Enter %d elements\n", n);
18
19     for (c = 0; c < n; c++)
20         scanf("%d", &array[c]);
21
22     printf("Enter the location where you wish to delete element\n");
23     scanf("%d", &position);
24
25     if (position >= n+1)
26         printf("Deletion not possible.\n");
27     else
28     {
29         for (c = position - 1; c < n - 1; c++)
30             array[c] = array[c+1];
31
32         printf("Resultant array:\n");
33
34         for (c = 0; c < n - 1; c++)
35             printf("%d\n", array[c]);
36     }
37
38     return 0;
39 }
40
```



The screenshot shows the same onlinegdb.com interface, but now displaying the program's execution output in the console window. The output is as follows:

```
Enter number of elements in array
10
Enter 10 elements
2
6
10
14
18
3
7
11
15
19

Enter the location where you wish to delete element
6
Resultant array:
2
6
10
14
18
7
11
15
19

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

3.

```
main.c
15 printf("Enter the array elements \n");
16 for(i=0;i<n;i++)
17     scanf("%d",&arr[i]);
18 for(i=0;i<n;i++)
19 {
20     for(j=1;j<n;j++)
21     {
22         if(arr[i]==arr[j])
23         {
24             printf("Not a distinct group \n");
25             return 0;
26         }
27     }
28 }
29 printf("It is a distinct group \n");
30 return 0;
```

input

Enter the size of the group
8
Enter the array elements
2
6
10
14
18
10
3
7
Not a distinct group

4.

```
main.c
11 {
12     int n,key;
13     printf("Enter number of elements: ");
14     scanf("%d", &n);
15     int arr[n];
16     for(int i=0;i<n;i++)
17         scanf("%d", &arr[i]);
18
19     int counter=1;
20     while (counter<n)
21     {
22         for (int i=0;i<n-counter; i++)
23         {
24             if(arr[i]>arr[i+1])
25             {
26                 int temp=arr[i];
27                 arr[i]=arr[i+1];
28                 arr[i+1]=temp;
29             }
30         }
31         counter++;
32     }
33     for (int i=0; i<n-1;i++)
34     {
35         int calc=0;
36         for(int j=i+1;j<n;j++)
37         {
38             if(arr[i]==arr[j])
39                 calc++;
40         }
41     }
42 }
```

input

Enter number of elements: 15