Department of Humanities and Applied Science

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Class / Branch: F.E ALL	Date of Performance: 31/01/2024
Subject: C Programming	Date of Submission: 31/01/2024

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Experiment No.5

Aim: Write programs in C with the help of decision making statements i.e if, if else and nested if else.

Problem Statement: Write a program to find largest of three numbers using nested if else.

Program: a]

```c
#include <stdio.h>

int main() {
    int a;

    printf("Enter the age: ");
    scanf("%d", &a);

    if (a >= 18) {
        printf("You are eligible to vote.\n");
    } else {
        printf("You are not eligible to vote.\n");
    }

    return 0;
}
```

B]

```c
#include <stdio.h>
int main() {

int n1, n2, n3;

printf("Enter the values for n1, n2, n3: ");
scanf("%d %d %d", &n1, &n2, &n3);
if (n1 >= n2) {
    if (n1 >= n3) {
        printf("n1 is largest\n");
    }
    else {
            printf("n3 is largest\n");
    }
}
else {
    if (n2 >= n3) {
        printf("n2 is largest\n");
    }
    else {
        printf("n3 is largest\n");
    }
}

return 0;
}
```

Output:- A]

```
apsit@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/Desktop/G475/EXp5$ gcc EXp5a.c
apsit@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/Desktop/G475/EXp5$ ./a.out
Enter the age: 18
You are eligible to vote.
```

b]

```
apsit@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/Desktop/G475/EXp5$ gcc EXp5b.c
apsit@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/Desktop/G475/EXp5$ ./a.out
Enter the values for n1, n2, n3: 8 5 1
n1 is largest
```