Assignment (3)

1. Write C program to check whether the number is EVEN or ODD using switch.

```c
#include <stdio.h>

int main() {
    int num;

    printf("Enter an integer: ");
    scanf("%d", &num);

    switch (num % 2) {
        case 0:
            printf("%d is EVEN.\n", num);
            break;
        case 1:
        case -1: //Handles negative odd numbers.
            printf("%d is ODD.\n", num);
            break;
        default:
            printf("Invalid input.\n"); //Shouldn't normally happen, but good prac
    }

    return 0;
}
```

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2. Write C program to find the Largest Number among three numbers using nested if else

```c
#include <stdio.h>

int main() {
    int num1, num2, num3;

    printf("Enter three numbers: ");
    scanf("%d %d %d", &num1, &num2, &num3);

    if (num1 >= num2) {
        if (num1 >= num3) {
            printf("%d is the largest number.\n", num1);
        } else {
            printf("%d is the largest number.\n", num3);
        }
    } else {
        if (num2 >= num3) {
            printf("%d is the largest number.\n", num2);
        } else {
            printf("%d is the largest number.\n", num3);
        }
    }

    return 0;
}
```

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