**Assignment – 4**

#include <stdio.h>

#include <stdlib.h>

#include <time.h>

int main() {

    int ch, num, comp;

    printf("1: Rock\n2: Paper\n3: Scissors\n");

    printf("Enter your choice (1-3): ");

    scanf("%d", &ch);

    if (ch == 1) {

        printf("User chooses Rock.\n");

    } else if (ch == 2) {

        printf("User chooses Paper.\n");

    } else if (ch == 3) {

        printf("User chooses Scissors.\n");

    } else {

        printf("Invalid input. Please run the program again.\n");

        return 0;

    }

    srand(time(0));

    num = rand() % 100 + 1;

    if (num >= 0 && num <= 33) {

        comp = 1;

        printf("Computer chooses Rock.\n");

    } else if (num > 33 && num <= 66) {

        comp = 2;

        printf("Computer chooses Paper.\n");

    } else {

        comp = 3;

        printf("Computer chooses Scissors.\n");

    }

    if (comp == ch) {

        printf("It's a Tie!\n");

    } else if ((ch == 1 && comp == 3) ||

               (ch == 2 && comp == 1) ||

               (ch == 3 && comp == 2)) {

        printf("You Win!\n");

    } else {

        printf("You Lose!\n");

    }

    return 0;

}