

```

/*Items addressed in this example:
    random numbers
    seed
    random number offset
    do while loop
    case statement
*/
#include <stdio.h>
#include <stdlib.h>
int main(int argc, char *argv[])
{
    int n, start, range, counter, randomnumber;
    srand(time(NULL));
    printf("Enter the number of random values you wish to generate: ");
    scanf("%d", &n);
    printf("Enter the starting value for the random numbers: ");
    scanf("%d", &start);
    printf("Enter the range of the random numbers: ");
    scanf("%d", &range);
    counter = 0;
    do
    {
        randomnumber = start + (rand() % (range+1));
        printf("Random number %d is %d\n", counter, randomnumber);
        swi tch(randomnumber)
        {
            case 0:
                printf("This matched wi th 0. \n");
                break;

            case 1:
            case 2:
            case 3:
                printf("This matched wi th 1, 2, or 3. \n");
                break;

            default t:
                printf("This is not 0, 1, 2, or 3. \n");
        }
        counter++;
    }whi le(counter < n);
    system("PAUSE");
    return 0;
}

```