

```
/*Items addressed in this example:
    random numbers
    seed
    random number offset
    do while loop
    nested decision statements
*/
#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);
        if(randomnumber == start)
        {
            printf("This is the first value.\n");
        }
        else
        {
            if(randomnumber == range+start)
            {
                printf("This is the last number.\n");
            }
            else
            {
                printf("This is not the first or last number.\n");
            }
        }
        counter++;
    }while(counter < n);
    system("PAUSE");
    return 0;
}
```