Q2:

Machine generated alternative text:
Diagnostics Test 
class Program 
static void Main (stringC) args) 
Console your name: 
String 
name Console. ReadLine(); 
if (name 
"Alice") 
Console " + name); 
else 
Console 're not " + name + 
Console . ReadLine() ; 
. You're not allowed in!"); 

Output #1 - Alice:

Machine generated alternative text:
DDO/documents/visuaI studio 201 5/Projects/Diagnostics Test/Diagno.. 
nter your name: Alice 
e 110 R lice 

Output #2 - Sam:

Machine generated alternative text:
DDO/documents/visuaI studio 201 5/Projects/Diagnostics Test/Diagno... 
nter your name: Sam 
ou're Sam. You're not allowed in! 

Output #3 - Bob:

Machine generated alternative text:
DDO/documents/visuaI studio 201 5/Projects/Diagnostics Test/Diagno.. 
nter your name: Bob 
ou're Bob. You're not allowed in! 

Q3:

Machine generated alternative text:
43 
using 
using 
using 
using 
using 
Sy s tem; 
Sy s tem. 
Sy s tem. 
Sy s tem. 
Sy s tem. 
Collections . Generic , 
L inq 
Text ; 
Threading. Tasks; 
namespace ConsoleAppIication6 
class 
Program 
static void Main (stringC) args) 
a number between I and 5B: 
string input 
Con sole. 
ReadLine(); 
int n 
Convert. Tolnt32 (input) ; 
int sum g; 
int i 
for (i — 
sum 
— sum + 1; 
sum of the nunbers between I and 
Con sole. Write (n) ; 
Console. Write(" is 
Con sole. Write (s um) ; 
Console. WriteLine() ; 
Con sole. 
ReadLine(); 

Q4:

Machine generated alternative text:
namespace Diagnostics Test 
class Program 
static void 
Main (stringC) args) 
int a 
int b — 
int s; 
if (b a) 
int 
int 
int 
if (c 
int 
int 
if (b a) 
int 
int 
Console is 
Console is 
Console is 
Console . ReadKey() ; 

The program checks if 'b' is smaller than 'a' then swaps 'a' to 's', 'b' to 'a' and 'b' to 's' if it is.

It then checks if 'c' is smaller than 'b' then swaps 'b' to 's', 'c' to 'b' and 'c' to 's' if it is.

It then checks if 'b' is smaller than 'a' again and swaps 'a' to 's', 'b' to 'a' and 'b' to 's' if it is.