**Roll –No---------**

**Section ----------**

**Quiz -3**

**Print the output using Recursion without using any single loop**

|  |  |
| --- | --- |
| **A** | **B** |
| **0** | **0** |
| **0** | **1** |
| **1** | **0** |
| **1** | **1** |

**Code**

#include <stdio.h>

#include <stdlib.h>

/\* run this program using the console pauser or add your own getch, system("pause") or input loop \*/

void s (int n, int a, int b, int c);

int main(int argc, char \*argv[]) {

int c=4;

s(c,0,0,4);

return 0;

}

void s(int n, int a, int b, int c)

{

if(c==0)

{

return;

}

c--;

printf("%d %d\n",a,b);

if(c%2==0)

{

a = !a;

}

if(c%1==0)

{

b = !b;

}

s(n,a,b,c);

}