using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApp1

{

class Program

{

static void Main(string[] args)

{

int[,] nakshah = { {0, 5, val, 10},

{val, 0, 3, val},

{val, val, 0, 1},

{val, val, val, 0}

};

Program a = new Program();

a.dabba(nakshah);

}

readonly static int val = 100, kinarey = 4;

void dabba(int[,] nakhshah)

{

int[,] fasila = new int[kinarey, kinarey];

int ikram, junaid, kiran;

for (ikram = 0; ikram < kinarey; ikram++)

{

for (junaid = 0; junaid < kinarey; junaid++)

{

fasila[ikram, junaid] = nakhshah[ikram, junaid];

}

}

for (kiran = 0; kiran < kinarey; kiran++)

{

for (ikram = 0; ikram < kinarey; ikram++)

{

for (junaid = 0; junaid < kinarey; junaid++)

{

if (fasila[ikram, kiran] + fasila[kiran, junaid] < fasila[ikram, junaid])

{

fasila[ikram, junaid] = fasila[ikram, kiran] + fasila[kiran, junaid];

}

}

}

}

ghar(fasila);

}

void ghar(int[,] fasila)

{

Console.WriteLine("Formed matrix is");

for (int ikram = 0; ikram < kinarey; ++ikram)

{

for (int junaid = 0; junaid < kinarey; ++junaid)

{

if (fasila[ikram, junaid] == val)

{

Console.Write(":) ");

}

else

{

Console.Write(fasila[ikram, junaid] + " ");

}

}

Console.WriteLine();

}

Console.ReadKey();

}

}

}