```
Python 3.10.1 (tags/v3.10.1:2cd268a, Dec  6 2021, 19:10:37) [MSC v.1929 64 bit
(AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.

============ RESTART: D:\ST 19-8\Stephens\CS\python\Practical 10.py ============
                        PRACTICAL 10;



                   PATTERNS



Enter the number of test cases
3


TEST CASE 1


Enter two numbers


3 4
Pattern 1 :
1
21
321



Pattern 2:
   1
  121
 12321
1234321
 12321
  121
   1


TEST CASE 2


Enter two numbers


9 15
Pattern 1 :
```

```
1
21
321
4321
54321
654321
7654321
87654321
987654321
```

Pattern 2:
```
                 1
                121
               12321
              1234321
             123454321
            12345654321
           1234567654321
          123456787654321
         12345678987654321
        12345678910987654321
       1234567891011121110987654321
      123456789101112110987654321
     1234567891011121312110987654321
    123456789101112131413121110987654321
   1234567891011121314151413121110987654321
123456789101112131415141312110987654321
  12345678910111213141312110987654321
   1234567891011121312110987654321
    123456789101112110987654321
     12345678910987654321
      12345678910987654321
       12345678987654321
        123456787654321
         1234567654321
          12345654321
           123454321
            1234321
             12321
              121
               1
```

TEST CASE 3

Enter two numbers

```
10 25
Pattern 1 :
1
21
321
4321
54321
654321
7654321
87654321
987654321
10987654321


Pattern 2:
                                    1
                                   121
                                  12321
                                 1234321
                                123454321
                               12345654321
                              1234567654321
                             123456787654321
                            12345678987654321
                           12345678910987654321
                          1234567891011109876543 21
                         1234567891011121110987654321
                        123456789101112131211109876543 21
                       1234567891011121314131211109876543 21
                      1234567891011121314151413121110987654321
                     123456789101112131415161514131211109876543 21
                    12345678910111213141516171615141312111098765 4321
                   1234567891011121314151617181716151413121110987654321
                  123456789101112131415161718191817161514131211109876543 21
                 1234567891011121314151617181920191817161514131211109876543 21
                12345678910111213141516171819202120191817161514131211109876 54321
               1234567891011121314151617181920212221201918171615141312111098 7654321
              123456789101112131415161718192021222322212019181716151413121110987654321
             12345678910111213141516171819202122232423222120191817161514131211109876 54321
            123456789101112131415161718192021222324252423222120191817161514131211109876543 21
             12345678910111213141516171819202122232423222120191817161514131211109876 54321
              123456789101112131415161718192021222322212019181716151413121110987654321
               1234567891011121314151617181920212221201918171615141312111098 7654321
                12345678910111213141516171819202120191817161514131211109876 54321
                 1234567891011121314151617181920191817161514131211109876543 21
                  123456789101112131415161718191817161514131211109876543 21
                   1234567891011121314151617181716151413121110987654321
                    12345678910111213141516171615141312111098765 4321
                     123456789101112131415161514131211109876543 21
                      1234567891011121314151413121110987654321
```

```
         1234567891011121314151413121110987654321
          12345678910111213141312110987654321
           123456789101112131211109876 54321
            1234567891011121110987654321
             123456789101110987654321
              12345678910987654321
               12345678987654321
                123456787654321
                 1234567654321
                  12345654321
                   123454321
                    1234321
                     12321
                      121
                       1
```

##

End of Practical 10: