## Question 8: Write a program that produces the following output. (25 Marks)

(a) Use nested While loops to produce the following pattern:

(b) Write nested for loops to produce the following output.

```
***** //////// *****

**** //////\\\ ****

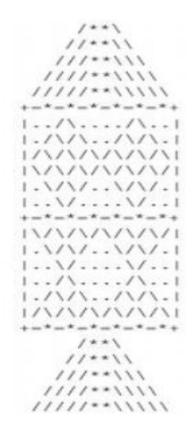
*** ////\\\\\ ***

** ///\\\\\\ **
```

(c) Write nested for loops to produce the following output.

```
1 2 1
            12321
          1 2 3 4 3 2 1
             4 5 4 3 2 1
     1 2 3 4 5 6 5 4 3 2 1
   1 2 3 4 5 6 7 6 5 4 3 2 1
 1 2 3 4 5 6 7 8 7 6 5 4 3 2 1
1 2 3 4 5 6 7 8 9 8 7 6 5 4 3 2 1
 1 2 3 4 5 6 7 8
   1 2 3 4 5 6 7
       2 3 4 5 6
         2 3 4 5
          1 2 3 4
            1 2 3
              1 2
                1
```

(d) Write nested for loops to produce the following output.



(e) Write nested loops to produce the following output.

