

1. Write a program to enter a number of any length, and find whether its palindrome or not.
e.g., 12321 is palindrome. 12344321 is palindrome
2. Write a program to print empty diamond

```

      *
     * *
    *  *
   *    *
  *      *
 *        *
*          *

```

3. Print the following for n lines

```

      *      *
     *      *
    *      *
   *      *
  *      *
 *      *
*      *

```

4. Print of pattern of 0's surrounded by stars

```

*****
*0*0*0*0*0*
*****
*0*0*0*0*0*
*****

```

5. Print pyramid of alphabets

```

      A
     A B A
    A B C B A
   A B C D C B A
  A B C D E D C B A

```

6. Write a program to enter a number and show how many times a digit appeared in number
e.g., n = 23531
1 = 1 times
2 = 1 times
3 = 2 times
5 = 1 times
- 7.