1. Write a program to print if number is divisible by 3 or 5 or both. Input should be given by user.
2. Write a program to print to find largest of three given numbers. Input should be given by user.
3. Write a program to find factorial of a number.
4. Write a program to check if a number is prime or not.
5. Write a C program to input electricity unit charges and calculate total electricity bill according to the given condition:
   For first 50 units Rs. 0.50/unit
   For next 100 units Rs. 0.75/unit
   For next 100 units Rs. 1.20/unit
   For unit above 250 Rs. 1.50/unit
   An additional surcharge of 20% is added to the bill.
   Take number of units from user.
6. Write a program to check whether a triangle is valid. If valid, find if it is isosceles, equilateral, or scalene.
7. Write a program to find whether a given year is leap or not. Year is provided by user.
   NOTE: A year is leap if it is divisible by 4 and not divisible by 100.
   A year is also leap if it is divisible by 400.

   Write program to print following patterns.
8. 1
   12
   123
   1234
   12345

9.
```
    *
   ***
  *****
   ***
    *
```

10.1
```
1               1
  2           2
    3       3
      4   4
        5
      4   4
    3       3
  2           2
1               1
```