**Q1. Write a Python program to find maximum between two numbers.**

**Q2. Write a Python program to find maximum between three numbers.**

**Q3. Write a Python program to check whether a number is negative, positive or zero.**

**Q4. Write a Python program to check whether a number is divisible by 5 and 11 or not.**

**Q5. Write a Python program to check whether a number is even or odd.**

**Q6. Write a Python program to check whether a year is leap year or not.**

**Q7. Write a Python program to check whether a character is alphabet or not.**

**Q8. Write a Python program to input any alphabet and check whether it is vowel or consonant.**

**Q9. Write a Python program to input any character and check whether it is alphabet, digit or special character.**

**Q10. Write a Python program to check whether a character is uppercase or lowercase alphabet.**

**Q11. Write a Python program to input week number and print week day.**

**Q12. Write a Python program to input month number and print number of days in that month.**

**Q13. Write a Python program to count total number of notes in given amount.**

**Q14. Write a Python program to input angles of a triangle and check whether triangle is valid or not.**

**Q15. Write a Python program to input all sides of a triangle and check whether triangle is valid or not.**

**Q16. Write a Python program to check whether the triangle is equilateral, isosceles or scalene triangle.**

**Q17. Write a Python program to find all roots of a quadratic equation.**

**Q18. Write a Python program to calculate profit or loss.**

**Q19. Write a Python program to input marks of five subjects Physics, Chemistry, Biology, Mathematics and Computer. Calculate percentage and grade according to following:**

**Percentage >= 90% : Grade A**

**Percentage >= 80% : Grade B**

**Percentage >= 70% : Grade C**

**Percentage >= 60% : Grade D**

**Percentage >= 40% : Grade E**

**Percentage < 40% : Grade F**

**Q20. Write a Python program to input basic salary of an employee and calculate its Gross salary according to following:**

**Basic Salary <= 10000 : HRA = 20%, DA = 80%**

**Basic Salary <= 20000 : HRA = 25%, DA = 90%**

**Basic Salary > 20000 : HRA = 30%, DA = 95%**

**Q21. Write a Python 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**