Deluge - Exercises -III

1. Write a Deluge Script to check whether a character is uppercase or lowercase alphabet.
2. Write a script to input a month number and print the number of days in that month.
3. Write a deluge script to count the total number of notes in given amount.
4. Write a script to input marks of five subjects: Physics, Chemistry, Biology, Mathematics, and Computer. Calculate percentage and grade according to the 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

5. Write a deluge script to input the basic salary of an employee and calculate its Gross salary according to the following:
   Basic Salary <= 10000 : HRA = 20%, DA = 80%

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

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

6. Write a deluge script to input electricity unit charges and calculate the 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

7. Write a deluge script for a shopkeeper who buys a product for 15 rs and he sells the product for Rs.25 . Check whether the shopkeeper had profit or loss for these sales.
8. Write a deluge script to input any string and check whether the string is Palindrome or Not.
9. Given two numbers, print "Equals" if the square root of the first number is equal to the square of the second number and vice versa.

10. Print the difference between its flooring value and ceiling value for the given two numbers and print the absolute value for it.
11. Write a program to perform addition, subtraction, multiplication, and division of any two numbers using List.
12. If the given input is even, change it to the next odd number, and if it is odd, change it to the square of the number. Print the changed number in both the cases.
13. Print Simple Interest and Compound Interest after initializing all the necessary inputs.
14. Get the absolute value of a given input and print the power of 3 for the absolute value.
15. For the given two numbers, print "Equals" if the ceiling for the first number is equal to the flooring for the second number and vice versa.
16. Given a number, print "Perfect Square" if it is a perfect square
    Ex : 25 is a perfect square & 27 is not a perfect square
17. Given two numbers,print the smallest among them.
18. Find the maximum between two numbers by using an appropriate function.
19. Find the minimum between two numbers by using an appropriate function.
20. Print"maximum" and "minimum" for the given two inputs by using " If-Else" condition
21. Print the amount in words for the given input.
22. Write a program to find out the roots of Quadratic Equation $ax^2+bx+c=0$;
    Ex: $2x^2+4x+2=0$;
23. Print the given text without space and Print the first letter of each word to uppercase.
    India is my Country
24. Write a script to find the perimeter,diameter, and area of a circle. Print the round value of it.
25. Write a deluge script to count the Number 5 for the given input.
    Number=7658525