

ASSIGNMENT 4

1. WAP to create a list of prime Fibonacci series between user defined range and default range is 10 to 50 using interface?
2. WAP to check weather a number is Armstrong number or not using custom exception and interface?
3. WAP to check weather a number is palindrome number and divisible by 3 and 5 or not using custom exception and interface?
4. WAP to find repeated elements and no of repeated elements in the array of 20 user defined values and also remove redundant values and update array with unique values only using simple inheritance?
5. WAP to create scientific calculator and perform all arithmetic operations like sum, subtraction, division, multiplication, modulus, power, sqrt, cubic root, sinx, cos x, tanx, log x, exp x, absolute value of x using interface and package?
6. WAP to perform following using interface and package to deposit, withdraw, check balance for banking application
 - I. Assign a fixed value as balance for account
 - II. Deposit user defined amount and display updated balance
 - III. Withdraw user defined money if user has sufficient fund otherwise show Insufficient fund using custom exception
 - IV. Check for balance
 - V. Maintain a fixed amount 3000 in the account
7. WAP to compute factorial, GCD, LCM, sqrt without using any library function, swap two number Without using 3rd variable using multithreading?
8. WAP to create pyramid of even and odd numbers using multithreading?

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      1
    3  5
  7  9 11
13 15 17 19
      2
    4  6
  8 10 12
14 16 18 20
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9. WAP to print your scroll and blink your name using Applet and multithreading?
10. WAP to create smiley face and Start using Applet and multithreading?
11. WAP to move a ball in a straight line left to right horizontally using Applet and multithreading?
12. WAP to move a square box in a straight line top to bottom vertically using Applet and multithreading?
13. WAP to create digital clock using swing and multithreading?
14. WAP to create one registration form for students to enter their name, roll no, regd no, stream, branch, semester, gender, hobbies, email id and phone number using JLabel, JTextField, JCheckBox, JRadioButton, JComboBox, JButton for submit and reset Button?
15. WAP to create one application for colour recognition for kids in which kids will chose button that shows colour name like RED,BLUE, etc. and after clicking on button background colour of window will change as per colour name?
16. WAP to find summation, subtraction, multiplication, division, modulus and power of 2 numbers using swing and event handling?