

Assigned Questions Including Labs (16-12-2024)

1. WAP to Find Grade of Student.
2. WAP that contains all type of data types
3. WAP to Find Area & perimeter of a square
4. WAP for Narrowing type Casting.
5. WAP to Reverse a 3 digit Number
6. WAP to Find the Largest among 3 numbers
7. WAP to check whether a Number is Armstrong or not.
8. Write a program for even odd by using conditional operators.
9. Write a program to swap the values using Third variable
10. Write a program to swap the values without using Third variable.
11. Create the bean class using Employee details(EmpId,EmpName,EmpAge,Empsalary)
12. WAP to display following pattern

1

12

123

1234

12345

13.WAP to find given no is palindrome or not.

14. Write a java program for Autoboxing.

15. Write a java program for Unboxing.

16. Define a class Address representing an address with attributes such as street, city, state, and zip code. Provide constructors to initialize these attributes.

17. Create a program in java to implement multilevel inheritance and hierarchical inheritance .

(Take classes like : Doctor , Surgeon and Nurse Create methods and show method overriding.)

18. Create an interface called "Person" with a method called "speak". Create two classes called "Student" and "Teacher" that implement the Person interface and implement the "speak" method. Create objects of both the Student and Teacher classes and call their respective "speak" methods.

19. Write a Java program to create an interface Shape with the getArea() method. Create three classes Rectangle, Circle, and Triangle that implement the Shape interface. Implement the getArea() method for each of the three classes.

20. Write a Java Program to pass this keyword as argument in the constructor call.

21. Write a Java program to invoke parent class constructor using super keyword.

22. Create Java Program to print the largest element in an array

23. Create Java Program to print the smallest element in an array

24. Write Java Exception Handling program using finally block.

25. Write Java Exception Handling program using multiple catch block.

26. Write a program demonstrating Exception handling using try catch for Arithmetic Exception.

27. Write a program demonstrating multiple catch statements and finally block.

28. Write a program using exception handling to handle array index out of bounds

29. Create a program with a logic that throws the ArrayIndexOutOfBoundsException while accessing elements in an array. [Hint: Use array and loop and try to access the element beyond the last index]

30. Write a Java program that calculates the sum of all even numbers present in an ArrayList of integers.

31. Write a program to declare stack .Store 10 elements into it. Remove 4 elements from it.

32. Write a Java program to append the specified element to the end of a HashSet.

[Hint:Add elements in the Set using add() method]

33. write a java program to union of two sets.

34.Create a Student class and create an array list to add 10 student objects and print them using a for each loop.

35.Write a program to add elements to the HashMap given the key as integer and value data type is String

36. Write a Java program to remove all elements from a hash set.