

## Practical Exam Question Question Bank

Sub: Java Lab

SE : A/B Academic year 2023-24

### Instructions:

**Quiz link:**<https://forms.gle/zBghb7Q72GRBMQBn6> , answer this quiz, write marks on index page take signature of subject teacher, if score is less than 25 submit remedial to subject teacher to appear for practical Exam.

1. Create folder on desktop named with your 'RollNo'.
2. Write program using notepad and save .java file in above folder.
2. Go to command path and change path to your "RollNo" folder
3. use command- >>**set path=" c:/java/jdk/bin"** [path of java software till 'bin' folder on your system.
4. To compile use command >>**javac filename.java"**  
correct error if any.
5. To run file use command>> **java filename**
6. Any 2 question will assigned to student that program student has to perform and show output to teacher and if correct output is found then write program along with output on answer sheet.
7. Any kind of malpractice will not be tolerated.
8. Viva will be on complete java syllabus.

1. Write a program to print n natural number in descending order using a while loop

2. Write a program which counts vowels and consonant in a word.

3. Write a program to check whether the input year is a leap year or not.

6. Write a program that accepts radius and returns the area of a circle using function call.

4. Write a program to print largest of three numbers with the help of the if-else.
5. Write a program to count the occurrence of each character in a word "Java Programming".
7. Write a program to reverse the order of the items in the array using loop.
8. Write a program to find whether a given array of integers contains any duplicate element. Return true if any value appears at least twice in the said array and return false if every element is distinct
9. Write a program to print the area of a rectangle using the concept of constructor.
10. Write a program to find larger number from given two number
11. Write a Program to display days of Week using 'switch'
12. Write a program to print first n Fibonacci Series
15. Write a program to calculate area of given object(use method overloading)
16. Write a program to demonstrate concept of constructor chaining
17. Write a program to print the names of students by creating a Student class. If no name is passed while creating an object of Student class, then the name should be "Unknown", otherwise the name should be equal to the String value passed while creating object of Student class (use constructor concept).
14. Write a program to print Prime number between given range
18. Write a program to create an interface vehicle and implement it in classes like bicycle, car, bike etc.

13. Write a program to check number is Armstrong Number
19. Write a program for abstract class shape and abstract method draw. Create class rectangle and circle that will inherit method from Shape class. Make necessary assumptions.
30. Create two threads such that one thread will print even number and another will print odd number in an ordered fashion.
20. Write a program that creates a user defined package and import that package in another package.
21. Write a program to implement multiple inheritance
25. Write a program to demonstrate checked Exception Handling using nested try, catch statements.
26. Write a program that validate username and password using user defined exception.
27. Write a program to create a user defined exception class MarksOutOfBoundsException to validate marks entry .
34. Write a program where thread sleeps for 500 ms.
31. Write java program to print Table of Five, Seven and Thirteen using Multithreading (Use Runnable Interface).
33. Write a program calling any 5 methods of vector class.
34. Write a program where thread sleeps for 500 ms.
35. Write a program demonstrating “this” keyword.

36. Write a program demonstrating “super” keyword.

37. Implement a java program to calculate gross salary & net salary taking the following data. Input: empno, empname, basic Process: DA=70% of basic HRA=30% of basic CCA=Rs240/- PF=10% of basic PT= Rs100/-

9. Write a program to print the area of a rectangle using concept of constructor.

30. Create two threads such that one thread will print even number and another will print odd number in an ordered fashion.

4. Write a program to print largest of three numbers with the help of the if-else

20. Write a program that creates a user defined package and import that package in another package.

10. Write a program to find larger number from given two number

36. Write a program demonstrating “super” keyword

25. Write a program to demonstrate checked Exception Handling using nested try, catch statements.

15. Write a program to calculate area of given object(use method overloading)

3. Write a program to check whether the input year is a leap year or not.

22. Write a program in java using FileInputStream, FileOutputStream class to read/ write the file.

**Subject Teacher**

**Ms. Pratibha, Ms. Nidhi, Ms. Vijaya, Ms. Priyanka**

