

GLS UNIVERSITY
Bachelor of Computer Applications (BCA)
(Core Course)
Semester-III
210301305 PRACTICALS ON CORE JAVA
Practical Assignment of Introduction to Java Unit- I
Date of Submission- 24-07-2023

1. Write a Java program to calculate the circumference of a circle value that should be taken from the Scanner class.
2. Write a Java program to swap two numbers without taking the third variable value that should be taken from the Scanner class.
3. Write a Java program to take student details rollno, name, surname, and 5 subject marks and display the total and percentage. All values should be taken from the Scanner class.
4. Write a Java program that will convert a float datatype into an int data type. Perform Type conversion.
5. Write a Java program that will convert an integer data type into a double data type. Perform Type Conversion.
6. Write a Java program to demonstrate the use of arithmetic operators.
7. Write a Java program to demonstrate the use of relational operators.
8. Write a Java program to demonstrate the use of conditional operators.
9. Write a Java program to demonstrate the use of logical operators.
10. Write a Java program to demonstrate the use of bitwise operators.
11. Write a Java program to find a maximum of three numbers using conditional operators.
12. Write a program to enter two numbers. Make the comparison between them with a conditional operator. If the first number is greater than the second perform multiplication otherwise division operation.
13. Write a program to check whether the blood donor is eligible or not for donating blood. The conditions laid down are as under. Use if statement. a) Age should be above 18 yrs but not more than 55 yrs. b) Weight should be more than 45kgs.
14. Write a program to implement a calculator using a switch case.
15. Write a Program to Check Whether the Entered Year is Leap Year or not.
16. Write a Java program to display Floyd's triangle.
1
2 3
4 5 6
7 8 9 10..... so on

- 17.** Write a Java Program to find the sum of all integers greater than 100 and less than 200 that are divisible by 7.
- 18.** Write a Java program to check whether the entered number is palindrome or not.
- 19.** Write a Java Program to calculate the students 3 subject marks and calculate a percentage.
If the percentage greater then 70 give grade "Distinction"
If the percentage greater then 60 give grade "First Class"
If the percentage greater then 50 give grade "Second Class"
If Below 35 then give grade "Fail"
- 20.** Write a Java program to find a factorial number using a do-while loop.
- 21.** Write a Java program to generates first n prime numbers.