
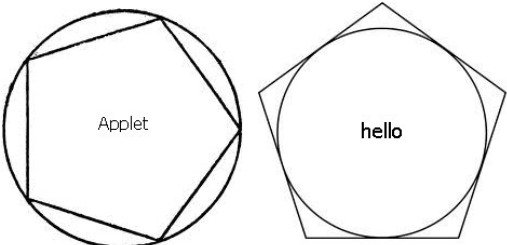


SUTEX BANK COLLEGE OF COMPUTER APPLICATIONS & SCIENCE, AMROLI**S.Y.B.C.A. PROGRAMME-2022-23****PRACTICAL ASSIGNMENT****SUBJECT: 403: JAVA PROGRAMMING LANGUAGE****SEMESTER:IV****DIVIOIN:VII-VIII****INDEX**

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1.	Write a Java program to print the sum of two numbers.		
2.	Write a Java program to accept a number and check the number is even or not. Prints 1 if the number is even or 0 if the number is odd.		
3.	Write a Java program to print the sum (addition), multiply, subtract, divide and remainder of two numbers arithmetic operation will be of user choice.		
4.	Write a Java program and compute the sum of the digits of an integer. Go to the editor Input Data: Input an integer: 25 Expected Output		
5.	The sum of the digits is: 7		
6.	Write a Java program to reverse a string.		
7.	Write a Java program to count the letters, spaces, numbers and other characters of an input string.		
8.	Write a Java program to print the ascii value of a given character.		
9.	Write a Java program to display the system time.		
10.	Write a Java program to print the odd numbers from 1 to 9. Prints one number per line.		
11.	Write a Java program to capitalize the first letter of each word in a sentence.		
12.	Write a Java program to reverse a word.		
13.	Write a Java program to get the larger value between first and last element of an array (length 3) of integers. Go to the editor Sample Output:		
14.	Original Array: [20, 30, 40]		
15.	Larger value between first and last element: 40		
16.	Write a Java program to sort array elements.		
17.	Write a program to add two numbers using function overloading.		
18.	Write a program to input Employee Details and display it on proper format.		
19.	Write a program to design three classes that accept dimension of triangle and rectangle and calculate area of rectangle and triangle.		

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20.	Write a program which design Bank Account class as Saving and Current Account and manage information accordingly.		
21.	Write a program which design a class name Fan to represent fan properties according to these properties Fan operation will be performed.		
22.	Write a program that creates two interfaces 1. Direction 2. Drive Car. And creates two classes 1. DirectionBoard 2. Car which inherits above interfaces.		
23.	Write a program to demonstrate partial implementation of interface and extending interfaces.		
24.	Write a program to accept 5 command line argument and then raise the custom exception if any argument is not from the list ("BCA","MCA","BBA","MBA","OTHER").		
25.	Write a program to demonstrate throw and throws keyword.		
26.	Write a program to demonstrate custom exception called NegativeNumberArgumentException		
27.	Write a program to input command line argument and display those string which start with 'A' and 'a'.		
28.	Write java application which accept a string and display the string in reverse order by interchanging its odd positioned characters with even positioned characters.		
29.	Write a program to input two strings search similar characters from both string and replace it with '*'.		
30.	Write a program to perform bubble sort on given inputted String.		
31.	Write an application that executes three threads from one thread class. One thread displays "JAVA" every 1 second. another display "PAPER" every 2 seconds and last one display "COLLEGE" every 3 seconds. Create the thread by using Runnable Interface.		
32.	Write a program to implement stack using thread.		
33.	Write a java code which accepts name of 10 students. Sort the names of students in ascending order. Display the names of students using thread class at interval of one seconds.		
34.	Write a program to demonstrate thread priorities.		
35.	Write a program to demonstrate thread synchronization.		
36.	Write a java application which displays a Hexagon containing a circle within the pentagon where the circumference of the circle touches to the edges of the pentagon. Provide separate colors to both the objects. Display your name in center position of the circle		
37.	Write a javacode (application or applet) which display current Date and Time Use thread class to execute the code.		
38.	Write an applet for moving banner.		
39.	Write an applet for bouncing Ball using thread.		

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40.	Write a program to demonstrate communication between two applet using ActionListener. Applet 1 Contain login page Applet 2 Diaply Welcome message for user who is logged in Applet1		
41.	Write a program to demonstrate Applet HTML <PARAM> Tag.		
42.	Write an applet program that gets number of rectangles from the user using(<PARAM Tag>)and draw the rectangle in different position.		
43.	Write a program add/sub/mul/div of 2 numbers in Applet. Accept value in 2 textboxes & create button name "+", "-", "/", "*", when you click them, it will give result in third box.		
44.	Write an applet to run analog clock with current date & time in following format.  Tue Jan 01 2013 12:22:39		
45.	Write an applet program to print name in following pictures & fill different colors in picture 		
46.	Write a package that shows all combinations of the access control modifiers.		

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