

MCA II SEM (AICTE) Q.B

Subject:-JAVA Programming Lab

1. Write a Java Program to perform arithmetic operations.
2. Write a Java Program to swap two integers using two variables.
3. Write a Java Program to find reverse if a given number which should be accepted from the keyboard.
4. Write a Java program to implement classes and objects.
5. Write a Java program to find area of a rectangle using constructors.
6. Write a Java program to implement interfaces and packages.
7. Write a Java program to demonstrate command line arguments.
8. Write a Java program to deduce a square from Rectangle using inheritance
9. Write a Java program to multiply two 2 X 2 matrices using arrays.
10. Write a Java program to demonstrate string functions.
11. Write a Java program to implement threads using Thread class and Runnable interface

12. Write a Java program to handle arithmetic exceptions and Array Index Out Bounds Exception.
13. Write a program to demonstrate custom exceptions.
14. Write a program to copy data from one file to another file
15. Write a program to implement serialization and synchronication.
16. Write a program to implement applet life cycle methods.
17. Write a program to implement client –server Technology.
18. Write a program to implement echo server communication.
19. Write a Java program to demonstrate string Tokenizer
20. Write a program to create Button, Label, Text field, Checkbox using AWT Components.
21. Write a program to design a simple calculator using AWT Components and Grid Layout Component.
22. Write an applet program to display to display Rectangle, Square, Circle and Oval.
23. Write a program to create Scroll bar and popup Menu.
24. Write a program to Add and delete items to and from flash set.

25. Write a program to demonstrate Iterator and Enumerator.
26. Write a program to implement vector and Map interfaces.
27. Write a program to create Menu, Menu Item using Frames,
28. Write a program to create Banner.
29. Write a program to load and display image and perform grey scale.
30. Write a program to retrieve web page using URL class.