Java Assignment Questions.

Q1. Why is java called plate form independence? What are the advantages of byte code in java.

Q2. What are types of application created in java? What is the difference of them.

Q3. What are the object oriented characteristics of java language? Explain the bitwise operators with suitable example.

Q4. Define array and explain the types of arrays and explain the data types supported by java language.

Q5. Write a program to read 10 numbers into an array and find out the sum and average of them.

Q6. Write a program to read 10 numbers into an array and find the largest and smallest number.
Note : ADD THE OUTPUT SCREEEN SHOT OF BOTH ABOVE QUESTION.

Q7. What are the advantages of inheritance? Explain the type of inheritance with supporting example.

Q8. Write a program in java language to create a class ACCOUNT that reads and display customers deposite amount. Create a class CUSTOMER which is derived from ACCOUNT class that class open new customer account and display the customer details. Now you can declare related variables and functions in respective classes and complete the transaction of a customer. ADD SCREEN SHOT.

Q9 differentiate between function overloading and overriding.

Q10. What do mean by exception? What are advantages and disadvantages of exception handling in java.

Q11. Write down the major steps for handling exception in java and explain the major class and statement which are used to handle exception.

Q12. Differentiate between compile time error and run time error. Which one type of error easy to trace and debug and why?

Q13. Define package? Write syntax for creating new package and implementing its package.

Q14. Differentiate package and interfaces. What are merit and demerit of an interface in java.

Q15 Write two complete program that create and use package and interface respectively.

Q16. Differentiate between applet and application.

Q17 Explain the life cycle of an applet class methods.

Q18 draw skeleton for creating an applet program.

Q19 Write a program for creating an applet that display your name and address on the screen.

Q20. Write and explain HTML code that embed an applet in web page with an example.

Q21. Define thread and explain the advantages of multithread program.

Q22. Write a program to create two threads first display the multiplication table of 10 and second thread display the oxford college 10 times. Add Screen Shot

Q23. What are threads methods and explain the importance of synchronization and thread priority.

Q24. Define stream. What are input and output classes in java which are used for creating files.

Q25. What do mean by character stream and byte stream? Write a byte stream program that supports reading and writing byte streams.

Q26. Differentiate sequential access and random access file with supporting examples.

Q27. Write a program that read 10 students name and address and store into a file "student.txt"
And display 2nd student record only. Use random access file technique

Q28. Write a program to read 10 customers name and address and store into a file called customer.txt and display all records.

Q29. Differentiate between GUI and CUI program in java.

Q30. Explain the major classes and their constructors which are used to create blank window.

Q31 What do mean layout manager. Explain the gridbag layout with an example.

Q32. Write a java program to create an applet window as given bellow.

enter name	_____
enter address	_____
enter feed back	_____
select city	chitwan kathmandu birtnagar butwal
gender	○ male ○ female
	[submit] [cancel]

Q33.   Write a java program to create an application as given above.

Q34.   Write a java program to create an application as given above and when user click on submit button the entered data should be display on different window.

Q35   Write a java program to create an applet as given above and when user click on submit button the entered data should be display on different window.

Q36   Explain the following swing components: JLabel, JTexfFiled, JButton, JTextArea, JTabbedPane.

Notes: all question and solution must be hand written.

IInd Assignment Questions

Q1.   What do mean by socket and port? Explain the InetAddress class with example.

Q2.   What do mean by server socket and client socket? Write the server socket program that accept the client request and display.

Q3.   Define datagram packet. Explain the different type of constructor which are used to create datagram packet.

Q4.   What are the type of JDBC driver ? explain each of them with drawing its figure.

Q5.   Write a java program to list all students records who live in the city of pokhara or chitwan.

Q6.   Write a java program to update the phone number of a student whose sid is 501

Q7.   Write a java program to create an applet that takes customer id, customer name, customer phone number and add this record into the database table tblcustomer.

Q8.   What are the type of resultset? Explain result set methods.

Q9.   What do mean by generic class? List the advantages of generic classes, generic methods and generic constructors.

Q10.   Explain the generic interface with supporting example.