Department of Information Technology

Vision: To Visualize the creation of skilled, proficient IT professionals to meet current challenges.

Mission:
● To encourage young minds for training & entrepreneurship.
● To convey standard education with rapidly changing environment with ethical values.
● To provide an environment where students can continuously learn, apply & communicate knowledge.

Subject Name: Java   **Date :-**

Assignment No :-1   **Course Outcome: . CO401.1**

Topic Name :- Basic syntactical Constructs in java.

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1. What are the differences between C++ and Java?
2. List the features of the Java Programming language?
3. What does JVM?
4. Differences between JVM,JRE,JDK?
5. How java is different than other language?
6. What is scope of variable?give example of class variable, instance variable and local variable.

Date of Submission :-

Assign By :- Kalyani kapde

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Subject Name: Java   **Date :-**

Assignment No :-2   **Course Outcome: . CO401.2**

Topic Name :- Derived Syntactical Constructs in java

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1) Define the terms: class ,objects, methods.
2) Explain Following:

    Creating object

    Overloading methods.

    Garbage collection

    This keywords

    Finalize method

    Satic variable
3) What is constructor.
4) What do you mean by Garbage collector
5) illustrate constructor overloading explain constructor overloading with example
6) explain the terms static with example
7) explain integer rapper class describe following string class method
    length(), equals(), characterAt(), compareTo ()

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Subject Name: Java   **Date :-**

Assignment No :-3   **Course Outcome: . CO401.3**

Topic Name :-.Inheritance ,interface and Package

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1) What is interface how it is implemented explain with suitable example
2) Explain what do you mean by packages
3) Explain import statement explain why we require packages
4) LIST some of the packages define by Java
5) Explain how interface used to achieve multi multiple inheritance in Java which are the way to access packages from another packages explain with example
6) Write Java program to extent interface suitable data
7) What is single level inheritance
8) Write a program to implement the

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Subject Name: Java   **Date :-**

Assignment No :- 4   **Course Outcome: . CO401.4**

Topic Name :- Exception Handling And Multithreading

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1) Explain thread explain the various state of thread.
2) Explain primitive and non pre primitive state system.
3) Explain synchronization.
4) Explain with notify and notify all method.
5) Explain when trade ends describe set name and set priority method
6) Describe synchronization monitor lock describe in short diagram atomic representation of trade.
7) Explain types of errors describe life cycle of thread .
8) Describe following methods of thread
       i) suspend ii)resume iii) notify

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Subject Name: Java   **Date :-**

Assignment No :-5   **Course Outcome: CO401.5**

Topic Name :- Java Applets And Graphics Programming.

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1) Explain applet explain the skeleton of applet.
2) Explain the applet tag explain graphics class create apple to display concrete rectangle
3) Create a applet to display concrete circle
4) Create a applet which display olympic symbol
5) Create applet which display indian flag
6) Create a applet which display smile face
7) Create applet which draw line card chart differentiate between applet and application

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Subject Name: Java   **Date :-**

Assignment No :-6   **Course Outcome: CO401.6**

Topic Name :- Managing Input/Output/Files in java.

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1) Explain file class
2) Explain the constructor of file class explain the random access class
3) Explain by stream and character stream
4) Explain the hierarchy of input stream class and the hierarchy of output stream class
5) Explain how to read data from file
6) explain reader and writer explain right method of outputs in class and read method of input stream class
7) Explain some method of file
8) Class write a program which will read data from console and display it using input stream write a program which read contain of file and display it on consol using file in put stream

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