Second Unit test

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Answes NO -4

Runnable interfaces

Java lang. Rinnaiole is an interface that is to be implemented by a class whose instance are inteded to be executed by a thread. There are two ways to start a new thread. Subclass Thread and implement Runnable. There is no need of subclassing thread when a task can be done by overvidding only sun() method of runnable.

Example.

public class Runnable Demo {
 public static void main (String[]s) {

System out pointln ("main thread is -" + Thread current Thread
(), get name ());

Thread Ti = new Thread (new Runnable Demo (). new Runnable Impl ());

t , . start ();

private class Runnable Implements Runnable {
Public void Run() {

System.out. printin (Thread cursent Thread () get Name (

+ ", executing him method!");

(2

output:

Main thread is - main

Thread - 0. Executing run() method!

Answer No- 6

i) Thread class intervols: Thread class is main class on which java multithreading system is based. Thread class along with its companion interface Runnable will be used to create and run threads for while ing will thread feature of java. It provide constructors and multithread feature of java. It provide constructors and methods to support multithreading. It entends object class and implements runnable interface.

methods
set Name ()
get Name ()
join ()
start ()
run ()

Description

to give thread a name

retusu's thread, name

wait for a thread to end

start a thread by calling rum().

entery point for a thread.

system out printly l'object is garbage collected

objects. Crarbage collection: In java, gasbage means consepenced objects. Crarbage collection is process of reclaiming the sentime unused memory automatically. In the other word it is a way to destroy the unused object in c++ we use delete (). But, in java it is performed automatically, so, java, provides better management Example: public class Test Gasbage + {

Public void finalize() {

```
public static raid main (String &17) }
          Test Garbage + 81 = new Test Garbage 1();
          Test Garbage / s2 = new Test Garbage / ();
          3/ = rull;
          s2: null;
         system, gcl);
output: object is garbage collected
         object is garbage collected
                    Answer No-2
 Hedrarelisal Inheritance: on when two or more su belas
are derived from one superelass than this inheritance
 is known as heisarchiral in her tance
Example:
           class Animal &
               void eat() {
                  System.out. print-ln ("eating!");
           class Dog extends Animal {
                void bask () }
               System.out. Mintln ("Basking!");
          class Cat entends Animal &
               void men () {
                System.out. println ("Meowing!");
         class Test }
```

public static word main (string[] 8) { Cat c = new Cout(); c. medw(); (· eat (); c. bark (); // not accessible because it not extende output: Meowing! eating!

A. (6) only I B. (() Java. util. *

C. (b) throw