

Assignment - 27

what is meant by object class?

The object class is the parent class of all the dasses in sava by default.

String Boolean Number arrays ...

- o It is the topmost class in Java.
- inherited from the object class.
- class in every sava application.
 - o Their are multiple methods in object class which can be used in vava closs.

C2. Explain mark & sweap algorithm of garbage collections

any garbage collection algorithm must perform 2 basic operations. One it should be

able to detect all the unreachable objects a secondary, it must reclaim the heap space used by garbage objects a many space available again to program.

\$3. What are the types of methods in which we can use this keyword?

- o using 'this' keyword we refer the class variable.
- constructor, and return class constructor.
- o using 'this' keyword se can invoke current class method.
- 8.4. Explain the concept of finalize keyword is
 - o the finalize method is similar to destructor in c++.
 - of object then it will internally calls the finalize.
 - The garbage collector thread seans whole memory periodically but, we can explicitly call the gas bage collector using.

 8464cm.gc(1);

Q.5 How to call garbage collector explicitly in

but JVM decides whether to process the call or not. Ideally.

call garbage collectors explicitly

o Using Runtime. get Runtime ().g(1) method,

runtime closs allows the application to

interface with the UVM in which application is

running. hence by using its g(1) we can

request JVM to run gartage collector.

and destructor in c++ 9

to 6 15th Difference 24!! 3: both on molo

1. Destructors are implicitly defined and called

by programmar or compiler, while

finalizers are implicitly defined and called

by ac (garbage collector)

2. Destructor are deterministic & predictable

while finalizes are non-deterministic

A unpredictable destructor can be costomized

A inherited while finalize can't.

How to display the host code of any object 9.7 a Unique number which is called host · Generally hash code is a hexadecimal assigned to the perticular object. ising Rankings der Kreibine 3. ders werpigt get the hashcode is method use can get the hexadecimal value-of object. in Java 9 · clone method is like copy construstor of 1. Destructors are implicitly defined and called · Inside aserdefined class we have to implement our own clone method which will internally cases the clone method of object class. cione () 11 clone method

d compredictable detractor can be conformised

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9.9. cohat is the use of import statement in Java application 9

o import statement in Java is helpful to

to a class or all classes visible for a

take program specified under the package

with the help of a single statement.

eg. import packageName. *;

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impost all methods.

name of package

constructor 9

- Jova static block will be called when

 JVM loads the crows into memory

 means it will be called only once.

 but constructor will be called everytime

 when you create an object.
- static block in sava is used for changing the default value of static variables, initializing static variable of class, write a set codes that you want to execute during class loading in memory.