Part B

- Explain constructor in Java

A: constructor is a block of code that initilizes the newly kreated object A constructor resemble an instance methods in Jave. it doesn't have return type.

~~Lorem ipsum~~
~~Roll no. to~~ .

* what is type kasting

A: it is the method of changing an entity from one data type to another. It is used to kompute programing to ensure variable are korrectly processed by function.

* what is thread

A: it is the facility to Allow multiple activity with in a single process. Refered as lightweight procell A thread is a seies of executed statement.

* Explain in operators ?

A: operators in Java is a symbol which is used To perform operation

eg: +, -, /, * etc

There are many type of operator in Java

* Explain garbage collection in Java

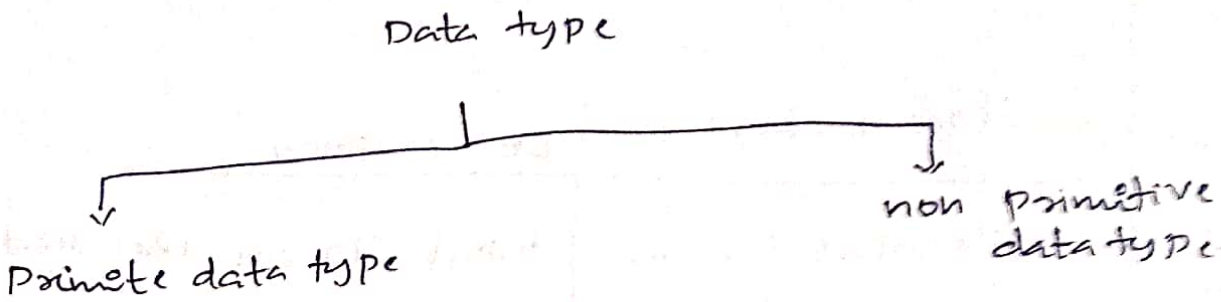
A: Java garbage collection is processed by which Java program perform automatic Memory Management Java program komplle to bytecode that can be run on a Java virtual Machine

The 'garbage collector find the se unused and delet them free up Memory

PART C

* Explain various data type used in Java

Ar. The data type of Java divided into 2



- Primitive data type: The primitive type include boolean, char, byte short int long float & double
- non primete data type: It included classes interface Array

int: it is 32 bit singed 2 komplement integer. The int data genealy used as integer valu

long: it is 64bit two's komplement entega

char: the single 16-bit unicode

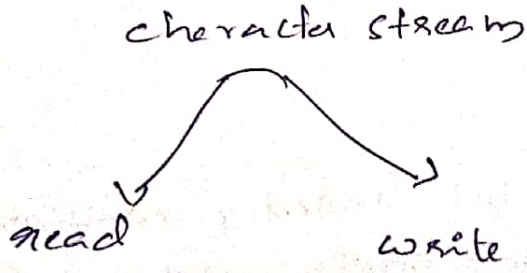
~~double~~.

* Explain various I/O stream?

A: Java defines 2 type Stream. They are Byte stream. It provide a convenient mean for handling input & output of byte.

Stream class	Description
file input Stream	input Stream that read file.
file output Stream	output stream that write to a file

character stream: it provide a convient means for handling input & output of chorcter.



* Explain different thread state

A. A thread can be in one of the 5 state According to

NEW: A thread that has not yet start state

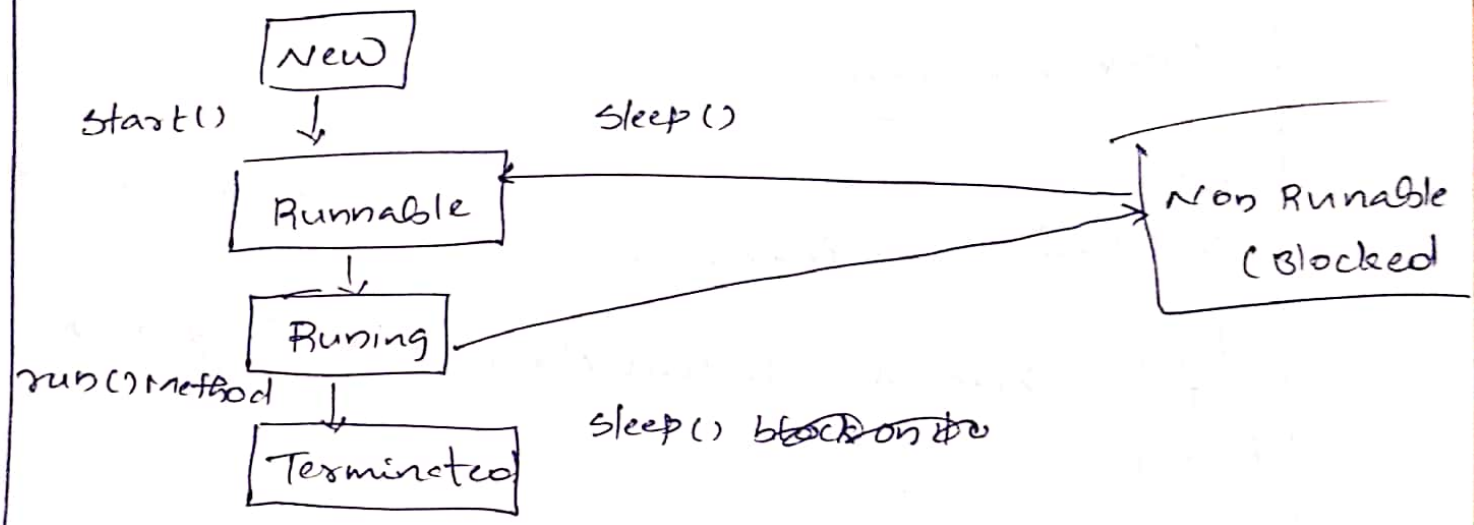
RUNNABLE: A thread execute in Java virtual Machine this state.

Blocked: A thread that is blocked waiting for monitor lock in this state

Waiting

Time waiting

Terminated



Part D

(3)

* Explain in detail about inheritance and it klassification in Java programming.

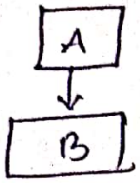
Ans: inheritance is the process of creating a new class, called the Derived klass from existing class called Base kells. The inherit ance has many advantage, the most important of them being of The reausability of code.

Type of Inheritance

- Single
- Multiple
- Multiple level
- Hybrid

Single inheritance

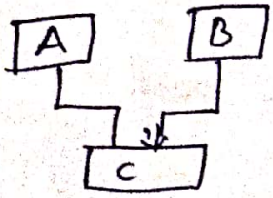
when a class extended another one class only then we called Single Inheritance



here A is Parent class B is child of A class.

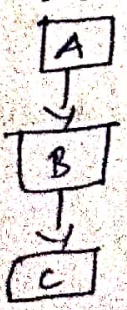
Multiple inheritance

here it have 2 ~~base~~ Parent class and one child class



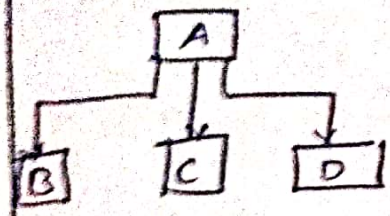
here A & B are Parent class and C is The child of A & B class

Multilevel Inheritance



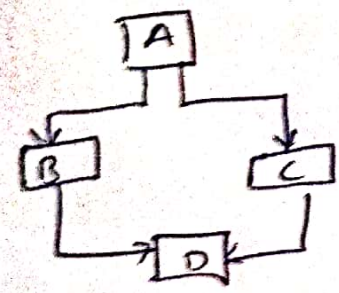
here is A is the parent class and B is The child class of A And also C is the child class of B.

Hierarchal Inheritance



In this inheritance A is the Parent or main class and B, C, D is the child class of A class

Hybrid Inheritance



Here A is the Parent class and B and C are sub class or child cals of A and D is the child class of class B and class C.

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