ISL ENGINEERING COLLEGE

Chandrayangutta, Bandlaguda, Hyderabad - 500 005.
INTERNAL ASSESSMENT EXAMINATION FOR B.E. TYEAR

BRANCH: CSE

YEAR: D SECTION: A

SUBJECT NAME: Shareet ROLL.NO: 160519733009

SIGNATURE OF STUDENT: SIGNATURE OF PARENTS: S. Nayyer Falima

Q. NO. 1 2 3 4 5 6 Total Marks

Marks
Obtained

PART-A

DE replain the use of super keyword in JAVA

Soft The super Key word in java is a reperence

Variable cerhich is used to refer immediate parent

class object.

Usage of JAVA Super Keyenard

- -> Super ean be used to refer immediate parent class instance variable.
- -> Super Lan be used to inmoke immediate parcent class nethod.
- -> Super() can be used to inmore immediate parent class constructor.

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Signature of Student : ____

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Date 28,6,21

2) why JAVA is architecture neutral?

A program today, there is no quarantee that it will run tomovrow, even on the Same machine.

To Solve this issue, the jour designers made Several hard Leisisms in the Java language Ee the jour viertual machine.

Their goal was "write once; run anywhere, comy-time, parever". To a great entent, this goal was accomplished by making java whitesture neutral.

3, What is the need of an interpace?

Interpose is helpful in,

- -> A Mieneing Latas abstraction.
- Since jour does not support multiple unley inheritance in case of class, but by using interface it can be achieve multiple inheritance.

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- (3)
- > It is also used to achieve loose coupling.
- -> Interpose are used to implement abstraction.

PART-B

- Explain vealing & using packages in Jana with example program.
- De Parkages are containers for alasses that are used to keep the class name space compartmentalized.
 - > Packages are slored in a hierarchical names re are emplicitly imported into new class definitions

Creating mackages

- -> To create a package, simply include a package command with some name as the first statement in a java source vile.
- -> Any classes declared within that pishe will belong to the specified parkage.
- The package statement depines a name space in which classes are stored.

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Greneral borm;

passage pkg;

For example;

paskage nypaskage;

> Jana uses pile system dérectories to store packages.

Stalement . The package stalement simply specifies to which package the classes defined in a file belong.

> We con to weate a hierwrity of packages.

Greneral born;
package pkg/2. pkg/2. pakg/3]

The pairinge herearchy must be replected in the bile system of your java development system.

por example

parkage java aut image; / Java aut image.

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```
Example Program+
Package My Pack;
class Balance &
      String name;
      double bal;
      Balance Cst String n, Lauble b) ?
         this name = n;
          this bal = b;
      void showe ) &
```

Void shawe) {

ibCbal < 0)

System out print ("->");

System out print (name + ": \$" + bal);
}

Class Account Balance E

nublic static void main (8 tring corgs[3) {
Balance wovent [] = new Balance [3].
wortent [0] = new Bulance ("K.J. F
- ielding", 123-23).

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Luvolent [2] = new Balance C" tom Jackson", -12.33).

bor (int i=0; i<3; i++)

current (i3.8how ();

3

3

-> Call this vile - Ausunt Balance java El put it in a directory called My Pack.

E) 5) Differentiate between method overloading El nethod overriding in Jana.

All Method overloading

nethod ouviding.

i Method overlanding is used to increase the readability of the program

within class.

is method arrevolding is used its pravide the specific implementation of the method that is abready pravided by its super class.

2 classes that have inheritance relationship.

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(A)

Same or Lifbercent, but you must have to shange the parameters

Iv, Parameter must be Lipberent

Vent class overlading { Static int add (inta, int b) { return a+b;

Slatic int add (int a int b, int c) { ialass Dog entends Animal {
relivm a+b+c;

Sustam. out print b. (

iii, Return type must be Same or ca-variant

iv, pourameters must be same

V) ent

class Animal {

Void ent C) {

System out println ("ent_");

}

calass Dog entends Animal {

Void eat C) {

System out println ("ent_").

}