GARBAGE COLLECTION

ChandraSekhar(CS) Baratam

HOW OBJECTS ARE CREATED IN JAVA

☐ AN OBJECT IS CREATED IN JAVA BY INVOKING THE NEW OPERATOR.

☐ CALLING THE NEW OPERATOR, THE JVM WILL DO THE FOLLOWING:

- ☐ ALLOCATE MEMORY;

- ☐ ASSIGN FIELDS THEIR DEFAULT VALUES;

- ☐ RUN THE CONSTRUCTOR;

- ☐ A REFERENCE IS RETURNED.

HOW JAVA RECLAIMS OBJECTS MEMORY

Java does not provide the programmer any means to destroy objects explicitly

WHAT IS GARBAGE?

GARBAGE: UNREFERENCED OBJECTS

STUDENT RAM= NEW STUDENT();

STUDENT VIJAY= NEW STUDENT();

RAM=VIJAY;

NOW RAM OBJECT BECOMES A GARBAGE,
IT IS UNREFERENCED OBJECT

ram Object

ram

vijay

vijay object