**Day 3 Notes**

Constructor

Allocate Memory

new keyword

implicit - declare constructor

declare constructor - to initialize values = standard ;

cons same name as that of your class

Default cons - no arguments;

Parameterized cons - arguments

Obj = invokes only the corresponding constructor;

Inheritance

object for the derived class - first the Base class in initialized and then the derived class

base class variables using constructor

constructor in your derived class - pass the value to the base class using 'base'

Destructor

Reallocate Memory

one destructor

same name as that of your class

~className(){---------}

No expilict invoke

Last ref to the object is completed - des will get invoked and reallocate memory

Abstract Class

base class

abstract methods? declaration and there is no definition

Why declaration

Mandatory task

Different implementations in Different classes

Derived class that inherits the abstract class

It is mandatory for the derived class to implement / define / abstract methods

override - redefine - base - derived

As many classes - inherit abstract class and define in its

can contain normal methods

Interface?

declaration

class will define

Exception Handling

Extra ordinary -

Error - syntax error; compiletime; logical - RuntimeError

User Interaction

WHat? - Abruptly stop - abort

EH - Handle - abort not happen -rest application

try - error statements

catch - catch the exception - Object for Exception

finally - executing any left out statement

Destructor