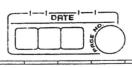
Name: Patil.omkar. Ramchandra Rollnor 21102A0003 Branch: - CMPN-A



Assignment No:-2

Differentiate between Abstract class and interface.

Q.1 Ans.

Interface Abstract class

(i) Interface can have only (1) Abstract class can have abstract methods it can have

abstract and nondefault & static methods also. abstract methods

(ii) Interface supports cii Abstract doss does'nt

multiple inheritance. support multiple inheritance.

ciio (iii) Interface has only static Abstract class can have and final variables. final, non-final, static

and non-static variables.

(vi) (iv) Interface can't provide the Abstract class can provide the implement implementation of abstract -ation of interface. class.

(V) Interface keyword is (V) The abstract Keyword used to declare interface. is used to declare

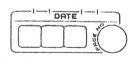
abstract class. An abstract class can (vi) An interface can extend

extend another java class another java interface and implement multiple only. java interfaces. (iiv) Example:-

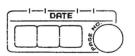
(Vii) Example :-Public abstract class shapef Public interface Drawable & void draw (); public abstract void draw(): FOR EDUCATIONAL USE



(vi)



write a program that will create user defined exception 0.5. "string Mismatch", which shall got thrown when entered two strings are not same. ANS class String Mismatch extends Exception String str 1; String Mismatch (String str 2) 8tr 1 = Str 2; public String to String () return (" String Mismatch occured: "+stri); class Example 1. public static void main (string x[]) { try S System out printin (" starting of try block"), throw new String Mismatch ("This is My error Message"); catch (String Mis match exp) { System out : print(" (atch Block"); System out printin (* exp);



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Starting of try block
catch Block
string Mismatch Occurred: This is My error Message

