Name: Luapnamil Dutta Roll: 16900218012 Reg No: 181690110181 of 2018-2019 Subject Code: PCC-CS593 Dept: Information Technology Subject: Object Oriented Programming Lab 12. a Demonstrate that a derived-class constructor connot cotch exceptions thrown by its base-class constructor. Description: Exception handling, catching base and derived classes as exceptions, if both base and derived classes are caught block

of derived dars must appear before the base class. In Java, catching a base class exception before depend is not allowed by the compiler itself.

class Test 1 { public Test () { 3 throw new Arithmetic Enception (); public class Test extends Test 1 { public Test () throws Arithmetic Exception = { Super (); Il cannot be called 3 catch (Freeption e) { 11 Enception Hondler 3

public static void noin (String [] orgs) {

try {

Test ob = new Test ();

3 cotch (Enception e) {

System out println (e);

3

Output:

Throws Eng Enception: Constructor call must be the first statement in a constructor at line 15

```
& Norte a JAVA Program to find Area and Circumference
  of wich wing Constructors.
Description:
   A constructor in Java is a special method that is used to
   initialize abjects. The construction is welled when an object
   of a class is created. It can be used to set initial
   values for object attributes.
         Area of likele = Tr (pi) r2
        Area lircumference of linde = 272 (pi) r
   das linde {
```

code:

class (incle {
 private double radius;

(incle (double radius) {
 this radius = radius;

 double get Area () {
 return (Math.PI + Math.pau (this.radius, 2));

 double get (incumprence () {
 return (2 + Math.PI + this.radius);
 }

}

public class linche Akea ? public state vaid main (string [] args) [Scanner se = new Scanner (System in) System out println ("Enter radius: "); double rolius = Sc. next Double (); lirde vir de = neu lir de (radius); System - out . println (" Area " + String . format (= 1.25", wick get trea())); System out println (" Circumference: " + String formal (= 1.2f", wile get linumference ())); Sc. clase (); Output: I jave Circle Frea, java & jana livel Area Enter radius: Area: 78.54 Circumperene: 31.42