



B. M. S. COLLEGE OF ENGINEERING
(AUTONOMOUS COLLEGE UNDER VTU, BELGAUM)
BANGALORE – 560019

2022-23

LAB RECORD

OBJECT ORIENTED JAVA PROGRAMMING (23CS3PCOOJ)

Submitted by :

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SEMESTER: III

SECTION : E

Submitted to

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Assistant Professor

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12/15/23

Lab 2

KA-12-12-23

PAGE EDGE

Date: / /

- Q Develop a program that prints all real solutions to the quadratic equation $ax^2 + bx + c = 0$. First, let a, b, c and use the quadratic formula. If the discriminant $b^2 - 4ac$ is negative, display "no real solution". But how do we find solutions?

```
import java.util.Scanner;
```

```
class Quadratic
```

```
{
```

```
    int a, b, c;
```

```
    double d, x1, x2;
```

```
    void getA()
```

```
{
```

```
        Scanner s = new Scanner(System.in);
```

```
        System.out.println("Enter the coefficient of  $x^2$ ");
```

```
        a = s.nextInt();
```

```
        b = s.nextInt();
```

```
        c = s.nextInt();
```

```
}
```

```
    void compute()
```

```
{
```

```
        while (a == 0)
```

```
{
```

```
            System.out.println("Not a quadratic equation");
```

```
            System.out.println("Enter a non-zero value for a");
```

```
            Scanner s = new Scanner(System.in);
```

```
            a = s.nextInt();
```

```
}
```

```
        d = b * b - 4 * a * c;
```

```
        if (d < 0)
```

```
{
```

```
            x1 = (-b) / (2 * a);
```

```
            System.out.println("Roots are real and equal");
```

```
            System.out.println("Root 1 = Root 2 = " + x1);
```

```
}
```

avg (4.20)

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25. 1.5×10^4 (10000) (1000000000)

Beispiel: Eine Folge $\{x_n\}$ von reellen Zahlen, wobei $x_n = \frac{1}{n}$ für $n \in \mathbb{N}$.
 Eine Folge $\{x_n\}$ von reellen Zahlen, wobei $x_n = \frac{1}{n}$ für $n \in \mathbb{N}$.
 Nachfolgendes Beispiel:

Angenommen $x_n = \frac{1}{n}$.
 Dann ist $\lim_{n \rightarrow \infty} x_n = 0$.
 Die Folge $\{x_n\}$ ist gegen Null konvergent.
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 Die Folge $\{x_n\}$ ist gegen Null konvergent.
 Die Folge $\{x_n\}$ ist gegen Null konvergent.

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Left 1/2

Design this paper to cover an abstract about current research on the topic of the paper and an easily understood model of the current research. The model should be a simple diagram showing the relationship between the variables of the study and the results. The model should be a simple diagram showing the relationship between the variables of the study and the results.

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Class: β

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Class: β

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Notes: 1. Report of 2 children, 11 months old, 1.5 years old

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3.

Notes: 1. 11 months

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Notes: 1. 11 months

2. 11 months

Notes: 1. 11 months, 2. 11 months, 3. 11 months

Notes: 1. 11 months

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Notes: 1. 11 months

Sing

2) Write a song from scratch using word

from the song

from the end of the song (e.g.)

from the first (e.g.)

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from the first (e.g.)

Sing

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1. Geography - Name a few features in each square in the
table below. Describe each feature.

1. Area - 1000 sq. km

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Q

State a few reasons to make a better about people who believe in evolution. (10 marks)

1. It is a scientific theory.

2. It is based on evidence.

3. It is a naturalistic theory.

4. It is a theory that explains the diversity of life.

5. It is a theory that is supported by many scientists.

6. It is a theory that is based on the study of fossils.

7. It is a theory that is based on the study of comparative anatomy.

8. It is a theory that is based on the study of molecular biology.

9. It is a theory that is based on the study of biogeography.

10. It is a theory that is based on the study of the history of life.

11. It is a theory that is based on the study of the development of life.

12. It is a theory that is based on the study of the relationship between different groups of organisms.

13. It is a theory that is based on the study of the origin of life.

14. It is a theory that is based on the study of the evolution of man.

15. It is a theory that is based on the study of the evolution of plants.

16. It is a theory that is based on the study of the evolution of animals.

17. It is a theory that is based on the study of the evolution of microorganisms.

18. It is a theory that is based on the study of the evolution of the Earth.

19. It is a theory that is based on the study of the evolution of the universe.

20. It is a theory that is based on the study of the evolution of life on Earth.

21. It is a theory that is based on the study of the evolution of the human race.

22. It is a theory that is based on the study of the evolution of the human mind.

23. It is a theory that is based on the study of the evolution of the human body.

24. It is a theory that is based on the study of the evolution of the human soul.

Q. Explain the following terms: (10 marks)

1. Speciation

2. Adaptation

3. Extinction

4. Biogeography

5. Molecular biology

6. Comparative anatomy

7. Fossilization

8. Evolutionary tree

9. Natural selection

10. Genetic drift

//Student Sum

private CIE,

input: given what sum,

public class Student {

private String name = new String();

private String name = new String();

private int sum;

public void input Student Details () {

Scanner sc = new Scanner(System.in);

System.out.println("Enter name");

name = sc.nextLine();

System.out.println("Enter name");

name = sc.nextLine();

System.out.println("Enter sum");

sum = sc.nextInt();

}

public void Display StudentDetails () {

System.out.println("name = " + name);

System.out.println("name = " + name);

System.out.println("Sum = " + sum);

}

}

//Student Sum

private CIE,

input: given what sum,

public class Student {

private int marks [2] = new int [2];

public void input marks () {

Scanner sc = new Scanner(System.in);

System.out.println("Enter marks mark for a name");

for (int i = 0; i < marks.length; i++) {

System.out.println("Enter " + (i + 1) + " mark");

marks[i] = sc.nextInt();

}

}

puta che non è

public static void main(String[] args) {

San Juan e Nueva San C. J.

from depth 100,

I catch *C. monodon* at

Sy. Sen. 1. p. 120 (1. Sen. 1. p. 120. 1. Sen. 1. p. 120.)

3

;

Subject:

Enter Father Age

12

Ente Sagaci



Ex: So we cannot guide this father.

9.0/11.24

1. *Phragmites australis* (Cyperaceae) - *Phragmites australis* (Cyperaceae)

Stems: 3-angled, with nodes, 1-2 m tall

Leaves: flat, 1-2 m long, 2-5 cm wide

Inflorescence: 1-2 m long, 1-2 m wide

Flowers: 1-2 m long, 1-2 m wide

Seeds: 1-2 m long, 1-2 m wide

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2. *Phragmites australis* (Cyperaceae) - *Phragmites australis* (Cyperaceae)

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Leaves: flat, 1-2 m long, 2-5 cm wide

Inflorescence: 1-2 m long, 1-2 m wide

Flowers: 1-2 m long, 1-2 m wide

Seeds: 1-2 m long, 1-2 m wide

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Leaves: flat, 1-2 m long, 2-5 cm wide

Lab. #10

PAGE EDGE

Date: / /

Determine the relationship between

```

class RE
{
    int n;
    boolean isPrime = false;
    synchronized void get() {
        while (!isPrime) {
            try {
                System.out.println("In custom ready");
                wait(2);
            } catch (InterruptedException e) {}
            System.out.println("Interrupted Suppressed");
        }
        System.out.println("End - n");
        isPrime = false;
        System.out.println("Inside Prime");
        notify();
        return;
    }
    synchronized void set(int n) {
        while (isPrime) {
            try {
                System.out.println("Prime ready");
                wait(2);
            } catch (InterruptedException e) {}
            System.out.println("Interrupted Suppressed");
        }
        this.n = n;
        isPrime = true;
        System.out.println("Set - n");
        System.out.println("Interrupted Suppressed");
        notify();
    }
}

class Prime implements Runnable {
    RE re;
    Prime (RE r)

```

the 4th
new house (see below 2nd floor)

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LAB-5

PAGE EDITOR

Date: _____

*Just back from a walk - after 6 hours from dawn till dusk - also had
like two Goldfinches, two or three, the blue jays and one or two
of the small gold finches in the garden - also a few sparrows & some
out in the field - many more than I could count - also a few
in the garden - the first time I have seen so many in the garden
since last year.*

the lady died

James Darnell C. J. F.

Chlorophyll a + b

Alum. nit. 27. (25. 100)

Shyam Lal Gupta (New Feroz Shahi)

Agave satifolius (Lam.) Steud. (Agave - *Agave satifolius*)

The new plant from T. rubra (4th. in. d. & 2. in. h.).

I can find my own way home

Final Exam April 1, 1964 2:30-4:00 (2)

Thyridium, Isidium, and Thrombium

Thalita 2011-12-12

Take about new friends

Thick black charcoal

Flora of the ...

الحمد لله رب العالمين

10/10/1911

11. 10/10/19

1. $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

1000

10. $\frac{1}{2} \log 2$

45

June 22, 1911

~~place old coat~~

Atividade 1: análise de texto

1. 1942 - 1943

Ensemble d'objets d'art

