

DATE:13/02/2024

PROGRAM-1

LAB-4

AIM:CREATE A CLASS THAST USE PARAMETERIZED CONSTRUCTOR TO INSITILAZE THE DIMENSION OF A CUBE THE DIMENSION OD THE CUBE ARE WIDTH,HEIGHTH,DEPTH.THE CLASS SHOULD HAVE A METHOD THAT CAN RETURN THE VALUME OF THE CUBE.CREATE AN OBJECT OF THE CUBE AND TEST THE FUNCTIONALITY.

CODE:

```
import java.util.*;
```

```
public class lab4_1 {  
    private static lab4_1 lab4_1;  
    private int width;  
    private int height;  
    private int depth;  
    lab4_1(int width,int height,int depth){  
        this.width=width;  
        this.height=height;  
        this.depth=depth;  
    }  
    void display(){  
        this.width=width;  
        this.height=height;  
        this.depth=depth;  
        System.out.println("the volumn of cube is");  
        int volume=width*height*depth;  
        System.err.println(volume);  
    }  
}
```

```
public static void main(String[] args){  
    lab4_1 l= new lab4_1(1,2,3);  
    l.display();  
}  
}
```

OUTPUT:

```
PS C:\Users\Admin\Desktop> & 'C:\Program Files\Java\jdk-21\bin\java.exe' '--enable-preview' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\Admin\AppData\Roaming\Code\User\workspaceStorage\e0dc2e9535830c46d9c00ded3eb4123a\redhat.java\jdt_ws\Desktop_f8aad77d\bin' 'lab4_1'  
the volumn of cube is  
6  
PS C:\Users\Admin\Desktop>
```

Activate Windows