OOPS LAB CYCLE 1

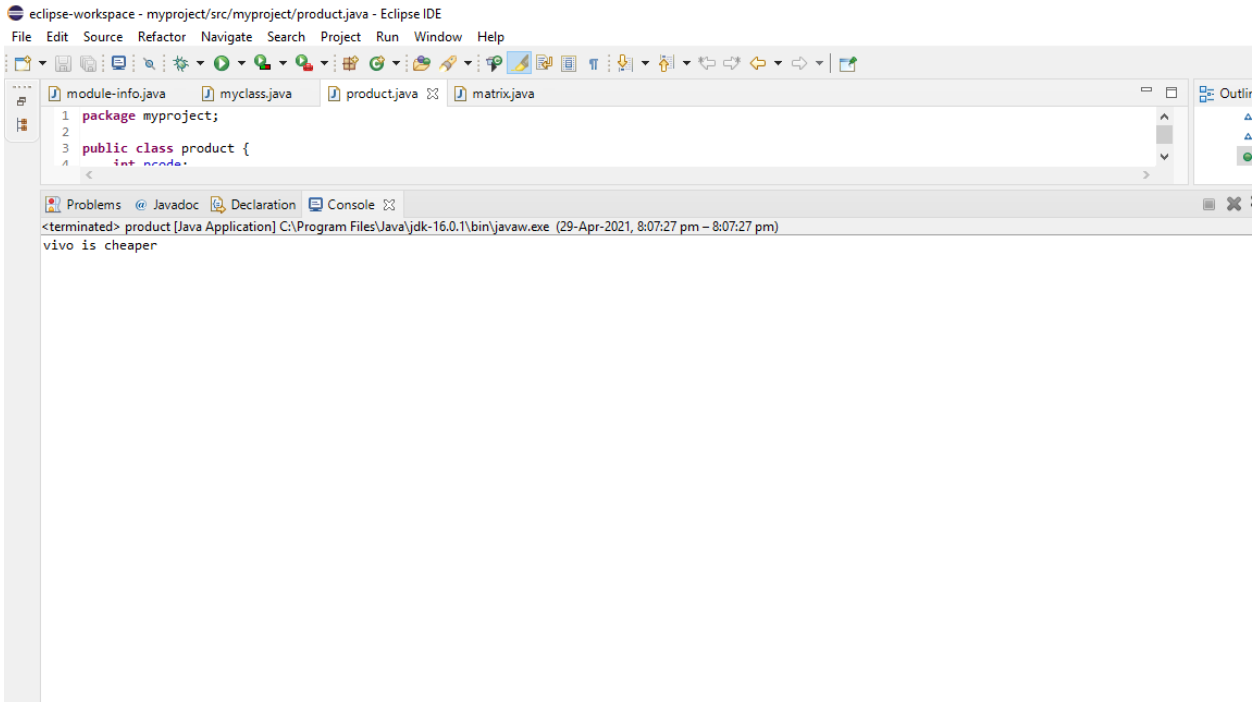
PROGRAM 1

```
package myproject;
public class product {
	int pcode;
	String pname;
	int price;
	public static void main(String[] args) {
		product ob1= new product();
		product ob2= new product();
		product ob3= new product();
		ob1.pcode=56894;
		ob1.pname="redmi";
		ob1.price=24000;
		ob2.pcode=78994;
		ob2.pname="realmi";
		ob2.price=24500;
		ob3.pcode=45694;
		ob3.pname="vivo";
		ob3.price=22000;
		if(ob1.price<=ob2.price && ob1.price<=onb3.price)
```

```
System.out.println(ob1.pname+"is cheaper");
                else if(ob2.price<=ob1.price  && ob2.price<= ob3.price)
                        System.out.println(ob2.pname+ "is cheaper");
else
                        System.out.println(ob3.pname+" is cheaper");
        }


}
```

OUTPUT



PROGRAM 2

```
package myproject;

import java.util.Scanner;

public class matrix {


    public static void main(String[] args) {

        int m,n,i,j;

        Scanner in = new Scanner(System.in);


        System.out.println("Enter the number of rows");

        m = in.nextInt();


        System.out.println("Enter the number columns");

        n = in.nextInt();


        int mat1[][] = new int[m][n];

        int mat2[][] = new int[m][n];

        int res[][] = new int[m][n];


        System.out.println("Enter the elements of matrix1");
```

```
for ( i= 0 ; i < m ; i++ )
{

for ( j= 0 ; j < n ;j++ )
mat1[i][j] = in.nextInt();
System.out.println();
}
System.out.println("Enter the elements of matrix2");

for ( i= 0 ; i < m ; i++ )
{

for ( j= 0 ; j < n ;j++ )
mat2[i][j] = in.nextInt();

System.out.println();
}

for ( i= 0 ; i < m ; i++ )
for ( j= 0 ; j < n ;j++ )
res[i][j] = mat1[i][j] + mat2[i][j] ;
```

```
System.out.println("Sum of matrices:-");

for ( i= 0 ; i < m ; i++ )

{

for ( j= 0 ; j < n ;j++ )

System.out.print(res[i][j]+"\t");

System.out.println();

}}}
```

OUTPUT