20MCA132 OBJECT ORIENTED PROGRAMMING LAB

ASSIGNMENT-3

SUBMITTED BY

VIVIN V. ABRAHAM
R MCA-2020-S2
ROLL NO : 42

SUBMITTED TO ,

SHELLY MISS

Course Outcome 2 (CO2)

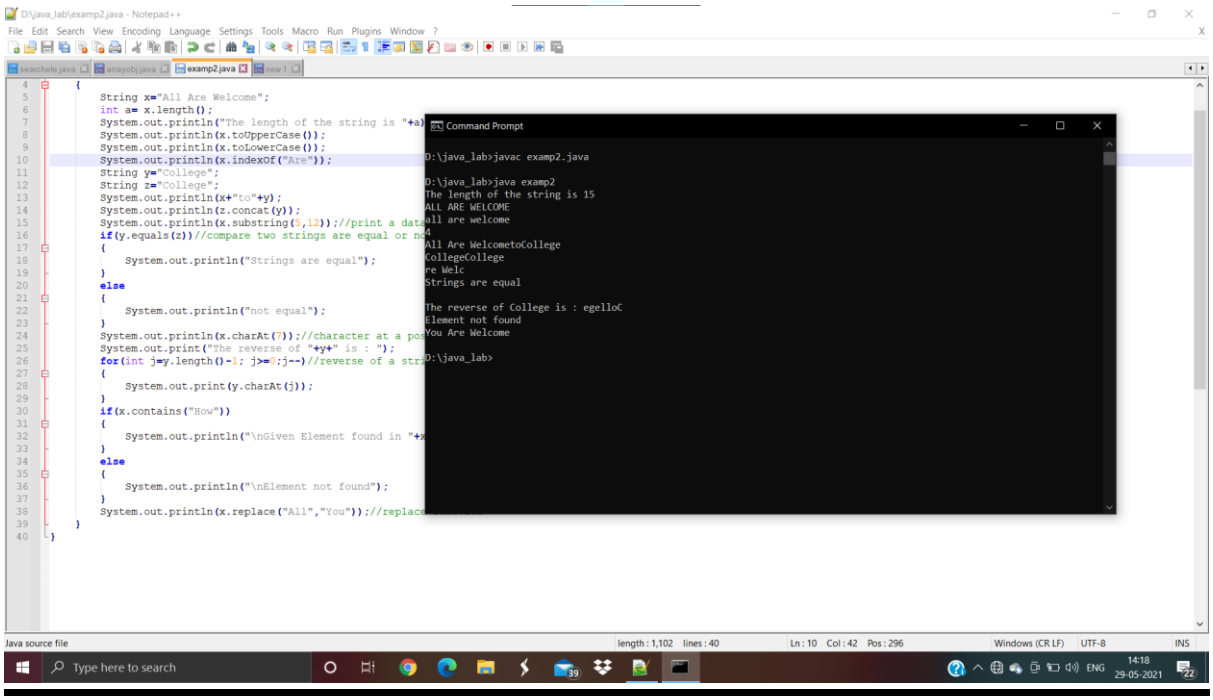
1.Perform string manipulations

PROGRAM

```
public class examp2
{
	public static void main(String[] args)
	{
		String x="All Are Welcome";
		int a= x.length();
		System.out.println("The length of the string is "+a);
		System.out.println(x.toUpperCase());
		System.out.println(x.toLowerCase());
		System.out.println(x.indexOf("Are"));
		String y="College";
		String z="College";
		System.out.println(x+"to"+y);
		System.out.println(z.concat(y));
		System.out.println(x.substring(5,12));//print a data from particular region
		if(y.equals(z))//compare two strings are equal or not
		{
			System.out.println("Strings are equal");
		}
		else
		{
			System.out.println("not equal");
		}
		System.out.println(x.charAt(7));//character at a position
		System.out.print("The reverse of "+y+" is : ");
		for(int j=y.length()-1; j>=0;j--)//reverse of a string
```

```
        {
            System.out.print(y.charAt(j));
        }
        if(x.contains("How"))
        {
            System.out.println("\nGiven Element found in "+x);
        }
        else
        {
            System.out.println("\nElement not found");
        }
        System.out.println(x.replace("All","You"));//replace function
    }
}
```

OUTPUT



2. Program to create a class for Employee having attributes eNo, eName eSalary. Read n employ information and Search for an employee given eNo, using the concept of Array of Objects.

PROGRAM

```
import java.util.*;

public class Employee

{

        public static void main(String[] args)

        {

                Scanner ab=new Scanner(System.in);

                Scanner ac=new Scanner(System.in);

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

                int n,i,flag=0;

                n=ab.nextInt();

                int eNo[]=new int[n];

                String eName[]= new String[n];

                float eSalary[]= new float[n];

                System.out.println("Enter the Employee informations");

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

                {

                        System.out.println("Employee Number");

                        eNo[i]=ab.nextInt();

                        System.out.println("Employee Name");

                        eName[i]=ac.nextLine();

                        System.out.println("Employee salary");

                        eSalary[i]=ab.nextInt();

                }

                System.out.println("To search an Employee details please enter Employee
Number");

                int d=ab.nextInt();
```

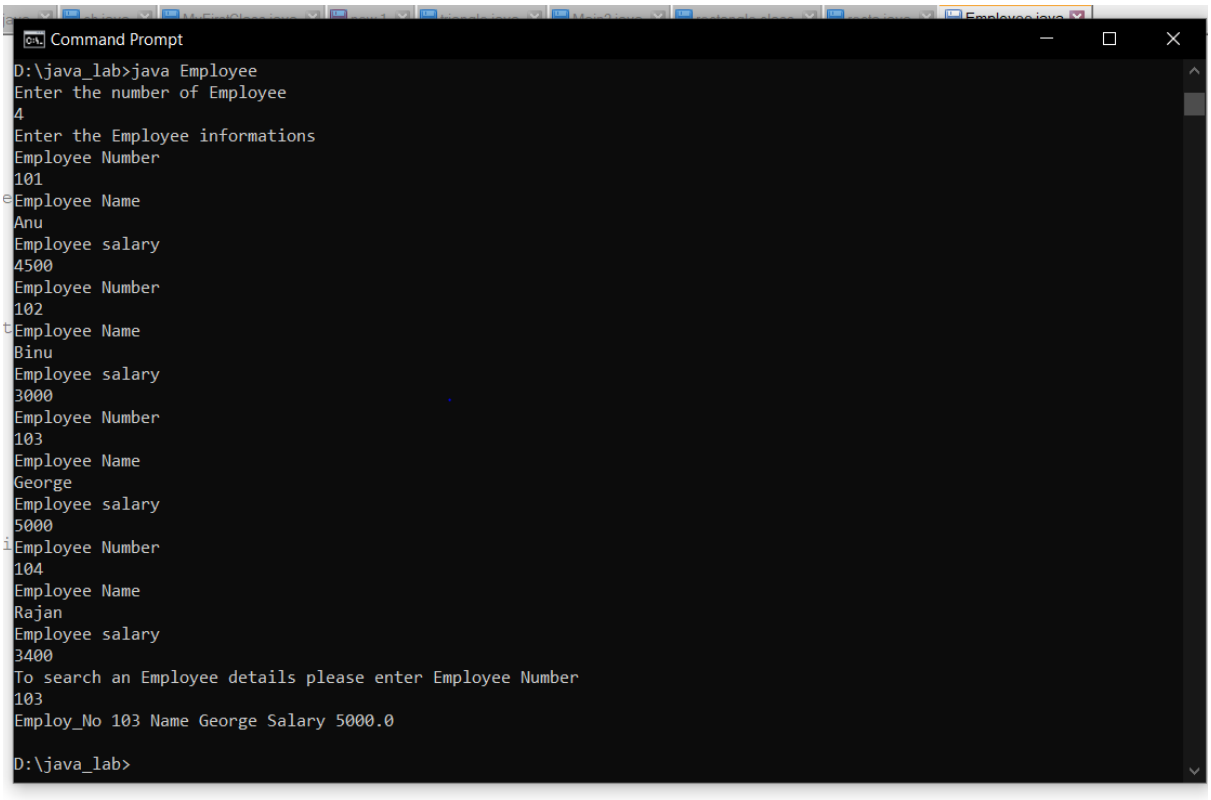
```
                for(i=0;i<n;i++)
                {
                        if(eNo[i]==d)
                        {
                                flag=1;
                                break;

                        }
                        else
                        {
                                flag=0;
                        }

                }
                if(flag==1)
                {
                        System.out.println("Employ_No "+eNo[i]+" Name "+eName[i]+"
Salary "+eSalary[i]);
                }
                else
                {
                        System.out.println("Not a valid  Employee number");
                }


        }
}
```

OUTPUT


Command Prompt
D:\java_lab>java Employee
Enter the number of Employee
4
Enter the Employee informations
Employee Number
101
Employee Name
Anu
Employee salary
4500
Employee Number
102
Employee Name
Binu
Employee salary
3000
Employee Number
103
Employee Name
George
Employee salary
5000
Employee Number
104
Employee Name
Rajan
Employee salary
3400
To search an Employee details please enter Employee Number
103
Employ_No 103 Name George Salary 5000.0
D:\java_lab>