Experiment: 1

Aim: Write a java program to display the employee details using Scanner class.

Software: VS Code

Code:-

```java
import java.util.*;

class Employee_Detail
{
    String Name;
    String Post;
    String Location;
    int age;
    int salary ;
}

public class Programm3
{
    public static void main(String args[])
    {
            Scanner sc = new Scanner(System.in);

            Employee_Detail  Employye= new  Employee_Detail() ;
            System.out.print("Enter The Name Of Employee:-");
            Employye.Name = sc.nextLine();

            System.out.print("Enter The Post Of Employee:-");
            Employye.Post = sc.nextLine();

            System.out.print("Enter The Location Of Employee:-");
            Employye.Location = sc.nextLine();

            System.out.print("Enter The Age Of Employee:-");
            Employye.age = sc.nextInt();

            System.out.print("Enter The Salary Of Employee:-");
            Employye.salary = sc.nextInt();
```

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Roll_No_:- 92200133030

```
            System.out.println("Employee Details:-\nName:- "+Employye.Name +
"\nPost:- " + Employye.Post + "\nLOcation:- " + Employye.Location+ "\nAge:- "+
Employye.age +" Years" + "\nSalary:- Rs " + Employye.salary + " /-");
    }
}
```

Output:

```
C:\Windows\System32\cmd.exe                                                  —    □    ×
Microsoft Windows [Version 10.0.19045.2604]
(c) Microsoft Corporation. All rights reserved.

D:\Aryan\Semester - 2\Object Orianted Programming\Assigment\10-03-2023 Pratical> javac Programm3.java

D:\Aryan\Semester - 2\Object Orianted Programming\Assigment\10-03-2023 Pratical> java Programm3
Enter The Name Of Employee:- Aryan Langhanoja
Enter The Post Of Employee:- Chaiman & MD
Enter The Location Of Employee:- Ahmedabad
Enter The Age Of Employee:- 19
Enter The Salary Of Employee:-200000000
Employee Details:-
Name:-  Aryan Langhanoja
Post:-  Chaiman & MD
LOcation:-  Ahmedabad
Age:- 19 Years
Salary:- Rs 200000000 /-

D:\Aryan\Semester - 2\Object Orianted Programming\Assigment\10-03-2023 Pratical>
```

Experiment: 2

Aim: Write a java program that checks whether a given string is palindrome or not.

Software: VS Code

Code:

```java
import java.util.*;

public class Programm2
{
    public static void main(String args[])
    {
        Scanner sc = new Scanner (System.in);

        String A,B;

        System.out.print("Enter The First String:-");
        A = sc.nextLine();

        B=new StringBuilder(A).reverse().toString();

        if(A.equals(B))
        System.out.print("Palindrome");
        else
        System.out.print("Not Pelindrome");
    }
}
```
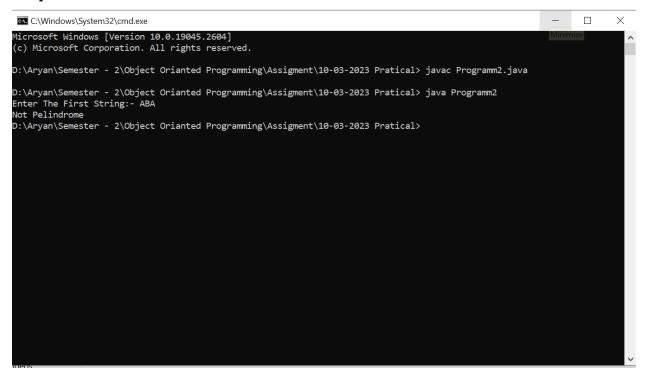
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Roll_No_:- 92200133030

Output:

```
C:\Windows\System32\cmd.exe                                          —    □    ×
                                                                  Minimize
Microsoft Windows [Version 10.0.19045.2604]
(c) Microsoft Corporation. All rights reserved.

D:\Aryan\Semester - 2\Object Oriented Programming\Assigment\10-03-2023 Pratical> javac Programm2.java

D:\Aryan\Semester - 2\Object Oriented Programming\Assigment\10-03-2023 Pratical> java Programm2
Enter The First String:- ABA
Not Pelindrome
D:\Aryan\Semester - 2\Object Oriented Programming\Assigment\10-03-2023 Pratical>
```

Experiment: 3

Aim: Write a java program to find the Fibonacci series using recursive Functions.

Software: VS Code

Code:-

```java
import java.util.* ;

public class Programm3
{
    public static void main(String args[])
    {

        Scanner sc =new Scanner (System.in);

        int num,a=0,b=1;

        System.out.println("Enter Till How Many Terms You Want The Fibonacci
Series?");
        num = sc.nextInt();

        System.out.print(0 + " " + 1 + " ");

        int c = Fibonacci(a,b,num);

        System.out.print(c + " ");
```

```java
    }

    public static int  Fibonacci(int x,int y,int num)
    {
        num--;
        int z=x+y;

        if(num<=2)
        {
            return x + y ;
        }

        else
        {
            System.out.print(z + " ");
            return  Fibonacci(y,z,num) ;
        }
    }
}
```

Output:

```
C:\Windows\System32\cmd.exe                                          —   □   X
Microsoft Windows [Version 10.0.19045.2604]
(c) Microsoft Corporation. All rights reserved.

D:\Aryan\Semester - 2\Object Orianted Programming\Assigment\03-03-2023 Practical> javac Programm3.java

D:\Aryan\Semester - 2\Object Orianted Programming\Assigment\03-03-2023 Practical> java Programm3
Enter Till How Many Terms You Want The Fibonacci Series?
10
0 1 1 2 3 5 8 13 21 34
D:\Aryan\Semester - 2\Object Orianted Programming\Assigment\03-03-2023 Practical>
```

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