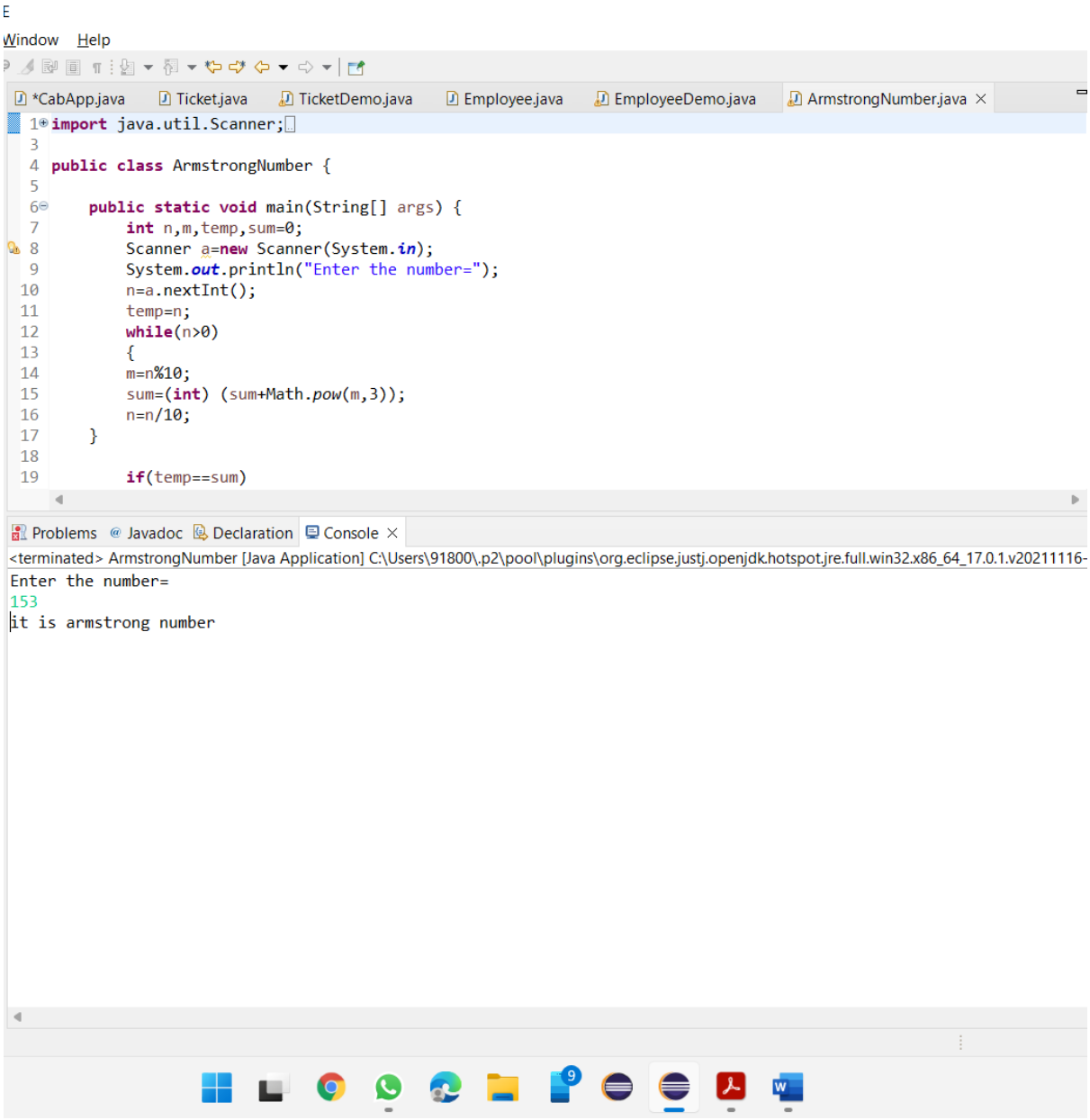
1.Armstrong number program

```
import java.util.Scanner;
import java.lang.Math;

public class ArmstrongNumber {

	public static void main(String[] args) {
		int n,m,temp,sum=0;
		Scanner a=new Scanner(System.in);
		System.out.println("Enter the number=");
		n=a.nextInt();
		temp=n;
		while(n>0)
		{
		m=n%10;
		sum=(int) (sum+Math.pow(m,3));
		n=n/10;
	}

		if(temp==sum)
		{
			System.out.println("it is armstrong number");
		}
		else
		{
			System.out.println("it is not armstrong number");
		}

	}

}
```

Output:



2.Even or odd program

```
import java.util.Scanner;

public class EvenOrOdd {

	public static void main(String[] args) {
		int n;
		System.out.println("Enter the number=");
		Scanner sc=new Scanner(System.in);
		n=sc.nextInt();
		if(n%2==0)
		{
			System.out.println("It is even" );
```

```
		}
		else
		{
			System.out.println( "It is odd" );
		}


	}

}
```

3.Swapping of two number

```
import java.util.Scanner;

public class Swapping {

	public static void main(String[] args) {
		int a,b,temp;
		Scanner sc=new Scanner(System.in);
		System.out.println("Enter a=");
		a=sc.nextInt();
		System.out.println("Enter b=");
		b=sc.nextInt();
		System.out.println("Before Swapping");
		System.out.println("a="+a);
		System.out.println("b="+b);
		temp=a;
		a=b;
		b=temp;
		System.out.println("After Swapping");
		System.out.println("a="+a);
		System.out.println("b="+b);

	}

}
```

4.Factorial

```
import java.util.Scanner;


public class Factorial {


	public static void main(String[] args) {

		int n,fact=1,i;

		Scanner f= new Scanner(System.in);

		System.out.println("Enter the number=");
```

```
		n=f.nextInt();
		for(i=1;i<=n;i++)
		{
			fact=fact*i;
		}
		System.out.println("Factorial is "+fact);

	}

}
```

5.Fibonacci number

```
mport java.util.Scanner;

public class Fibonacci {

	public static void main(String[] args) {
		int n,t1=0,t2=1;
		Scanner sc=new Scanner(System.in);
		System.out.println("Enter the value of n=");
		n=sc.nextInt();
		while(t1<=n)
		{
			System.out.print(t1+" " );
		int sum=t1+t2;
		t1=t2;
		t2=sum;
		}
	}
```

```
}
```