

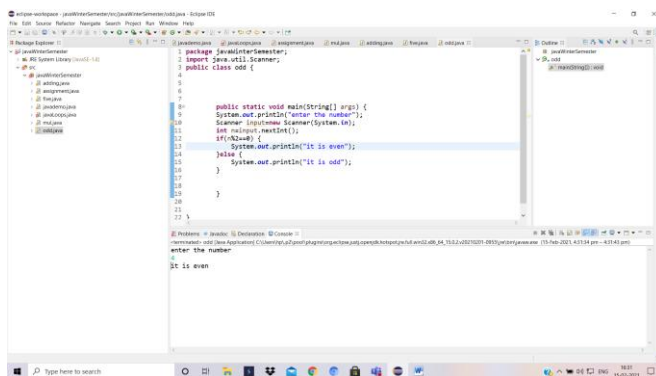
```

1. package javaWinterSemester;
import java.util.Scanner;
public class odd {

    public static void main(String[] args) {
        System.out.println("enter the number");
        Scanner input=new Scanner(System.in);
        int n=input.nextInt();
        if(n%2==0) {
            System.out.println("it is even");
        }else {
            System.out.println("it is odd");
        }
    }
}

```

### OUTPUT:



```

2. package javaWinterSemester;
import java.util.Scanner;

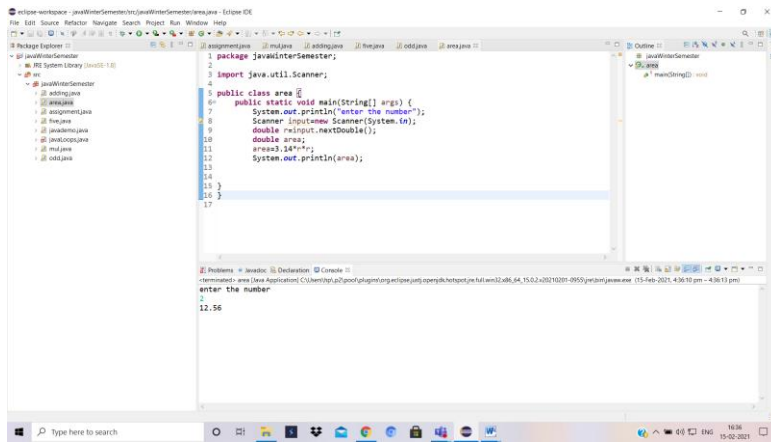
public class area {
    public static void main(String[] args) {
        System.out.println("enter the number");
        Scanner input=new Scanner(System.in);
        double r=input.nextDouble();
        double area;
        area=3.14*r*r;
    }
}

```

```
System.out.println(area);
```

```
}  
}
```

## OUTPUT

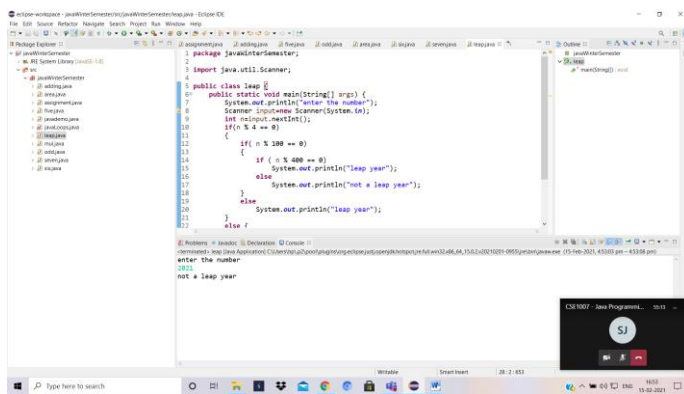


```
3. package javaWinterSemester;
```

```
import java.util.Scanner;
```

```
public class leap {  
    public static void main(String[] args) {  
        System.out.println("enter the number");  
        Scanner input=new Scanner(System.in);  
        int n=input.nextInt();  
        if(n % 4 == 0)  
        {  
            if( n % 100 == 0)  
            {  
                if ( n % 400 == 0)  
                    System.out.println("leap year");  
                else  
                    System.out.println("not a leap year");  
            }  
            else  
                System.out.println("leap year");  
        }  
        else {  
            System.out.println("not a leap year");  
        }  
    }  
}
```

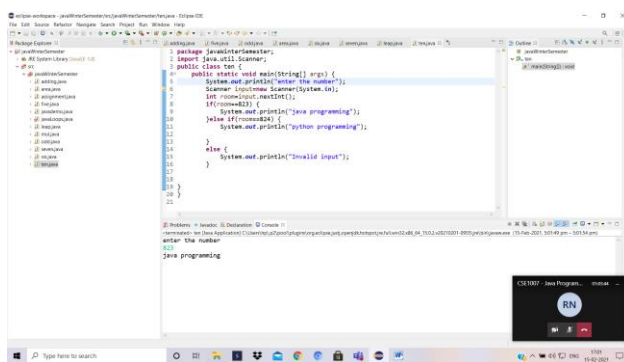
}  
OUTPUT:



```
4. package javaWinterSemester;
import java.util.Scanner;
public class ten {
    public static void main(String[] args) {
        System.out.println("enter the number");
        Scanner input=new Scanner(System.in);
        int room=input.nextInt();
        if(room==823) {
            System.out.println("java programming");
        }else if(room==824) {
            System.out.println("python programming");
        }
        else {
            System.out.println("Invalid input");
        }
    }
}
```

}  
}

OUTPUT:



```

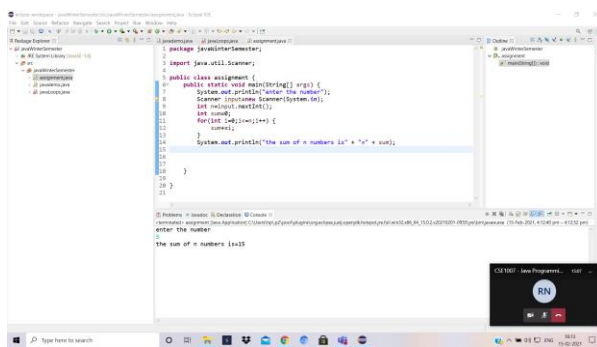
5. package javaWinterSemester;

import java.util.Scanner;

public class assignment {
    public static void main(String[] args) {
        System.out.println("enter the number");
        Scanner input=new Scanner(System.in);
        int n=input.nextInt();
        int sum=0;
        for(int i=0;i<=n;i++) {
            sum+=i;
        }
        System.out.println("the sum of n numbers is" + "=" +
sum);
    }
}

```

OUTPUT:



```

6. package javaWinterSemester;

import java.util.Scanner;

public class mul {
    public static void main(String[] args) {
        System.out.println("enter the number");
        Scanner input=new Scanner(System.in);
        int n=input.nextInt();
        for(int i=1;i<=10;i++) {
            System.out.println("the multiplication table" + n +
"X" + i + "=" + n*i);
        }
    }
}

```

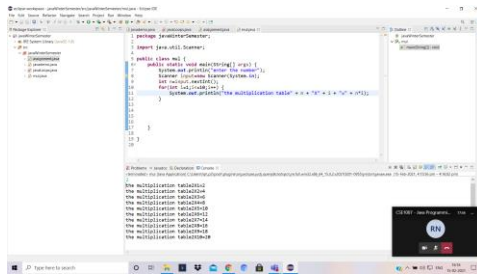
```

    }

}

```

## OUTPUT:

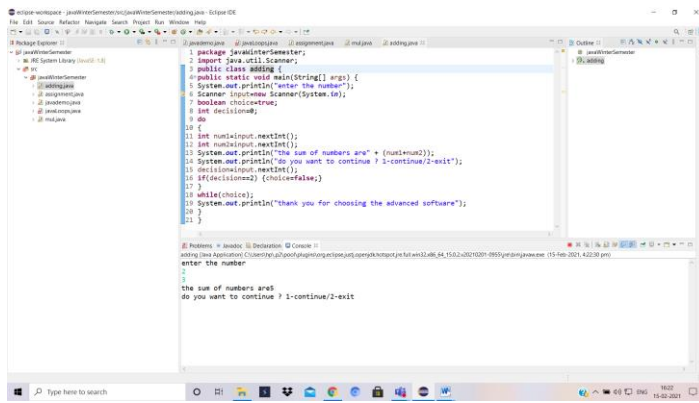


```

7. package javaWinterSemester;
import java.util.Scanner;
public class adding {
    public static void main(String[] args) {
        System.out.println("enter the number");
        Scanner input=new Scanner(System.in);
        boolean choice=true;
        int decision=0;
        do
        {
            int num1=input.nextInt();
            int num2=input.nextInt();
            System.out.println("the sum of numbers are" + (num1+num2));
            System.out.println("do you want to continue ? 1-continue/2-exit");
            decision=input.nextInt();
            if(decision==2) {choice=false;}
        }
        while(choice);
        System.out.println("thank you for choosing the advanced software");
    }
}

```

## OUTPUT:



```

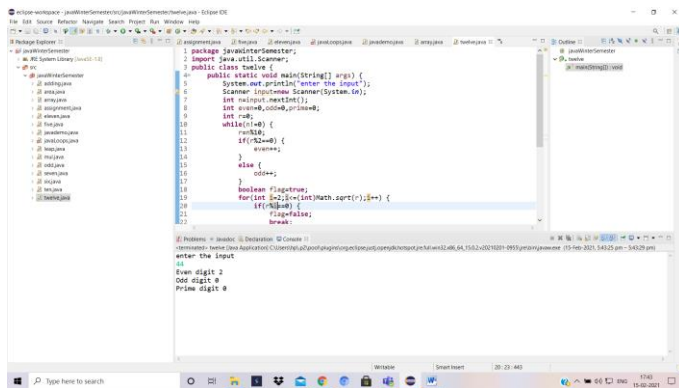
8. package javaWinterSemester;
import java.util.Scanner;
public class twelve {
    public static void main(String[] args) {
        System.out.println("enter the input");
        Scanner input=new Scanner(System.in);
        int n=input.nextInt();
        int even=0,odd=0,prime=0;
        int r=0;
        while(n!=0) {
            r=n%10;
            if(r%2==0) {
                even++;
            }
            else {
                odd++;
            }
            boolean flag=true;
            for(int i=2;i<=(int)Math.sqrt(r);i++) {
                if(r%i==0) {
                    flag=false;
                    break;
                }
            }
            if(flag==true && r!=1)
                prime++;

            n=n/10;
        }
        System.out.println("Even digit "+even);
        System.out.println("Odd digit "+odd);
        System.out.println("Prime digit "+prime);
    }
}

```

}

## OUTPUT



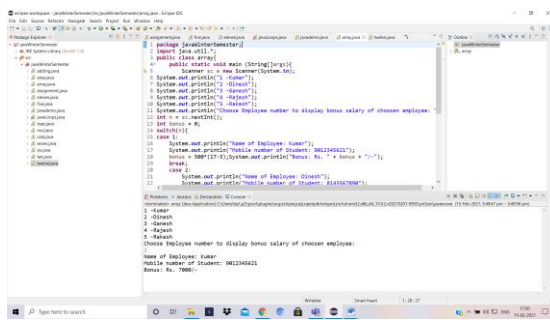
```
9. package javaWinterSemester;
import java.util.*;
public class array{
    public static void main (String[]args){
        Scanner sc = new Scanner(System.in);
        System.out.println("1 -Kumar");
        System.out.println("2 -Dinesh");
        System.out.println("3 -Ganesh");
        System.out.println("4 -Rajesh");
        System.out.println("5 -Rakesh");
        System.out.println("Choose Employee number to display bonus salary
of choosen employee: ");
        int n = sc.nextInt();
        int bonus = 0;
        switch(n){
            case 1:
                System.out.println("Name of Employee: Kumar");
                System.out.println("Mobile number of Student: 9012345621");
                bonus = 500*(17-3);System.out.println("Bonus: Rs. " + bonus +
"/-");
                break;
            case 2:
                System.out.println("Name of Employee: Dinesh");
                System.out.println("Mobile number of Student:
8143567890");
                bonus = 500*(7-3);System.out.println("Bonus: Rs. " +
bonus + "/-");
                break;
            case 3:
                System.out.println("Name of Employee: Ganesh");
                System.out.println("Mobile number of Student:
7114567213");
                bonus = 500*(13-3);System.out.println("Bonus: Rs. " +
bonus + "/-");
                break;
        }
    }
}
```

```

        case 4:
            System.out.println("Name of Employee: Rajesh");
            System.out.println("Not eligible for bonus");
            break;
        case 5:
            System.out.println("Name of Employee: Rakesh");
            System.out.println("Mobile number of Student:
8159056784");
            bonus = 500*(9-3);System.out.println("Bonus: Rs. "
+ bonus + "/-");
            break;
        default:
            System.out.println("Invalid Choice");
            break;
    }
}
}
}

```

### OUTPUT:



```

10. package javaWinterSemester;
import java.util.Scanner;
public class eleven {
    public static void main(String[] args) {
        System.out.println("enter the number");
        Scanner input=new Scanner(System.in);
        int n=input.nextInt();
        int rev=0;
        int sum=0;
        while(n!=0)
        {
            int r = n%10;
            rev = rev*10+r;
            n = n/10;
        }
        sum=n+rev;
        if(sum%2!=0) {
            System.out.println("odd sum");
        }else {
            System.out.println("even sum");
        }
    }
}

```

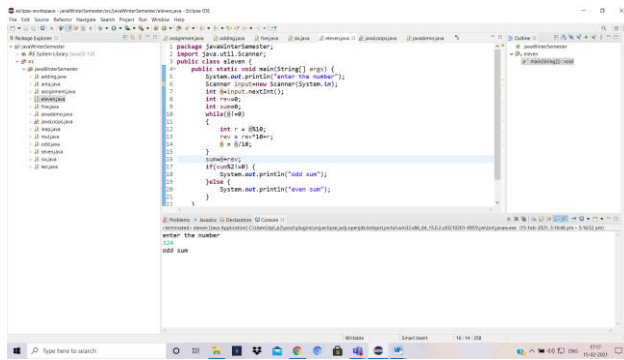


```

    }
}
}

```

## OUTPUT



```

11. package javaWinterSemester;
import java.util.Scanner;

```

```

public class five {

```

```

    public static void main(String[] args) {
        System.out.println("enter the number");
        Scanner input = new Scanner(System.in);
        int n = input.nextInt();
        for (int i = n; i >= 1; i--)
        {
            System.out.println(i);
        }
    }
}

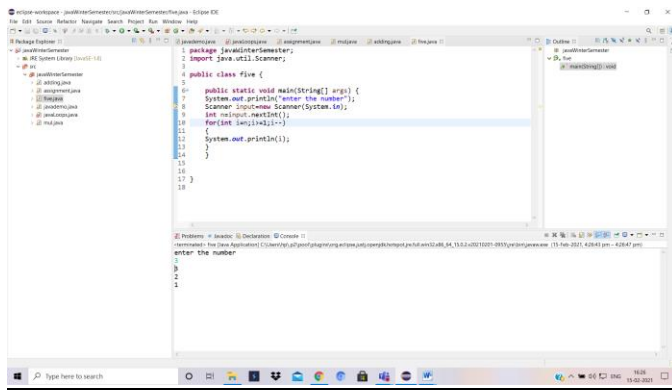
```

```

}

```

OUTPUT:

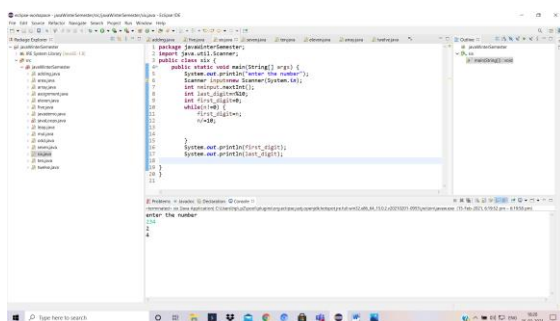


```

12. package javaWinterSemester;
import java.util.Scanner;
public class six {
    public static void main(String[] args) {
        System.out.println("enter the number");
        Scanner input=new Scanner(System.in);
        int n=input.nextInt();
        int last_digit=n%10;
        int first_digit=0;
        while(n!=0) {
            first_digit=n;
            n/=10;
        }
        System.out.println(first_digit);
        System.out.println(last_digit);
    }
}

```

OUTPUT:



```

13. package javaWinterSemester;
import java.util.Scanner;

```

```

public class seven {
    public static void main(String[] args) {
        System.out.println("enter the number");
        Scanner input=new Scanner(System.in);
        int n=input.nextInt();
        int every_digit=0;
        int sum=0;
        while(n!=0) {
            every_digit=n%10;
            sum=sum+every_digit;
            n=n/10;
        }
        System.out.println("the sum of digit of" + n + "is =" +
sum);
    }
}

```

### OUTPUT:

