

```

1. package javaWinterSemester;
import java.util.Scanner;
public class javaLoops {
    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=sum+i;
        }
        System.out.println("the sum of n natural numbers="+sum);
    }
}

```

```

2. package javaWinterSemester;
import java.util.Scanner;
public class javaLoops {
    public static void main(String[] args) {
        System.out.println("enter the number");
        Scanner input=new Scanner(System.in);
        int n=input.nextInt();
        int mul;
        for(int i=1;i>=n;i++)
        {
            System.out.println(i);
        }
    }
}

```

```

3. package javaWinterSemester;
import java.util.Scanner;
public class javaLoops {
    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(n+"X"+i+"="+n*i);
        }
    }
}

```

```

4. package javaWinterSemester;
import java.util.Scanner;
public class javaLoops {
    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=n/10;
        }
        System.out.println("the first digit is" + first_digit);
        System.out.println("the last digit is" + last_digit);
    }
}

```

```

5. package javaWinterSemester;
import java.util.Scanner;
public class javaLoops {
    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);
    }
}

```

```

6. package javaWinterSemester;
import java.util.Scanner;
public class javaLoops {
    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");
    }
}

```