

```

package exmple;
import java.util.Random;

public class Exmple
{
    public static void main(String[] args)
    {
        Random rd = new Random();
        int r= rd.nextInt(200);
        Spd s= new Spd();
        s.fines(r);
    }
}

```

===== Spd class =====

```

public class Spd {
    int speed;
    // speed >120 and <140 --> 150
    // speed > 140 <160 --> 250
    // speed >160 --> 350
    public void fines(int s)
    {
        speed=s;
        if(speed>120 && speed<140)
        {
            System.out.println("speed is "+speed +" fines 150");
        }
        else if (speed>=140 && speed<160)
        {
            System.out.println("speed is "+speed +" fines 250");
        }
        else if(speed >=160)
            System.out.println("speed is "+speed +" fines 350");
    }
}

```

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

    int []a= {12,33,4,665,78,90,98,32,1,9};

    System.out.println("Enter number to serch for :");
        int srch=sc.nextInt();//8
        boolean found=false;
    for(int i=0;i<a.length;i++)
    {
        if(srch==a[i])
        {
            found=true;
        }
    }
    if(found==true)
        System.out.println("found");
    else
        System.out.println("not found");
}
```

```

    public static void main(String[] args)
    {
        Exmple e= new Exmple();
        float result= e.fun_rf(10.5f, 5.5f);
        System.out.println(result);
    }

//none terutn value ==> void
//return value ==> data type ==> int,float,byte,short,double long ,char,

    public float fun_rf(float a,float b)
    {
        return a/b;
    }
    public int fun_r()
    {
        int a=10;
        int b = 2;
        return a+b;
    }

    public void fun_sum(int a, int b)
    {
        System.out.println("sum of a+b =" +(a+b));
    }
    public void fun()
    {
        int a=3;
        int b=5;
        System.out.println("sum of a +b = " +(a+b));
    }

```

```
public class Spd {

    public static void main(String[] args) {
        /*      */
        Spd s= new Spd();
        int f=s.fines(140);
        if(f>0)
            System.out.println("Fnes "+f);

    }
    public int fines(int speed)
    {
        if(speed>120 && speed<140)
            return 150;
        else if (speed>=140 && speed <160)
            return 250;
        else if (speed>=160)
            return 350;
        else
            return 0;
    }
}
```

```
public class Srch {
    /* */
    public static void main(String[] args) {

        Srch sc= new Srch();
        String r=sc.serch(89);
        System.out.println(r);
    }

    public String serch(int v)//100
    {
        int [] array={1,2,55,60,89,0,90,7,4,33,42,11};
        for(int i=0;i<array.length;i++)
        {
            if(array[i]==v)
            {
                return "found";
            }

        }
        return " not found";
    }
}
```

```

public class Srch {
    /* */
    public static void main(String[] args)
    {
        //create function that is getting value from keyboard and stops at -1
        then print largest number and smallest number

        Srch s= new Srch();
        s.comparing();
    }

    public void comparing()
    {
        Scanner sc= new Scanner(System.in);
        System.out.println("Enter number to exit press -1");
        int v= sc.nextInt();//5
        int max=v;//max 5
        int min=v;//min 5
        while(v!=-1)
        {
            if(v>max)//max 8 ,v=3
            {
                max=v;//max 8
            }

            if(v<min)// min 5, v 3
            {
                min=v;//min 3
            }
            System.out.println("Enter number to exit press -1");
            v= sc.nextInt();//8,3 -1
        }
        System.out.println("the maximum is "+max);
        System.out.println("the minimun is "+min);
    }
}

```

```

public static void main(String[] args)
{
    //create function that is getting value from keyboard and stops at -1
    then print largest number and smallest number

    Srch s= new Srch();
    s.comparing();

}

public void comparing()
{
    Scanner sc= new Scanner(System.in);
    System.out.println("Enter number to exit press -1");
    int v= sc.nextInt();//5
    int max=v;//max 5
    int nextmax=v;//min 5
    while(v!=-1)
    {
        if(v>max)//max 8 ,v=3
        {
            nextmax=max;//5 -> next->5 ->8
            max=v;//max 5 max=8 ->20
        }

        System.out.println("Enter number to exit press -1");
        v= sc.nextInt();//8 20
    }
    System.out.println("the maximum is "+max);
    System.out.println("the nextmax is "+nextmax);
}

=====
public class Srch {
    /* */
    public static void main(String[] args)
    {
        // convert fahrenheit to celsius c=(f-32)/1.8 create a function
        //that return value of celsius by passing value of fahrenheit
        Srch s= new Srch();
        float result=s.convert_f_c(60);
        System.out.println(result+"C");
        result=s.convert_c_f(32);
        System.out.println(result+"F");
    }
    public float convert_f_c(float f)
    {
        return (f-32)/1.8f;
    }
    public float convert_c_f(float c)
    {
        return (c*1.8f)+32;
    }
}

```