**import** **static** java.lang.System.***out***;

**import** java.util.\*;

**public** **class** Myclass {

**public** **static** **void** main(String[] args) {

**int** a=5;

Scanner sc= **new** Scanner(System.***in***); //System.in is a standard input stream.

System.***out***.print("Enter a number ");

new Scanner

a= sc.nextInt(); //5 25

**if**(a<10)

***out***.print("no is < 10");

nextInt

Sc

***out***.print("I am last statement");

Stack

}

nextDouble

Heap

}

**import** **static** java.lang.System.***out***;

**import** java.util.\*;

**public** **class** Myclass {

**public** **static** **void** main(String[] args) {

**int** a;

Scanner sc= **new** Scanner(System.***in***); //System.in is a standard input stream.

System.***out***.print("Enter a number ");

a=sc.nextInt();//5 25

If(a<=10)

***out***.print ("no is < 10");

if(a>10)

***out***.print ("no is >10");

**if**(a<=10)

***out***.print ("no is < 10");

**else**

***out***.print ("no is >10");

***out***.print ("I am last statement");

}

}

//unresolve else

**import** **static** java.lang.System.***out***;

**import** java.util.\*;

**public** **class** Myclass {

**public** **static** **void** main(String[] args) {

**int** a;

Scanner sc= **new** Scanner(System.***in***); //System.in is a standard input stream.

System.***out***.print("Enter a number ");

a=sc.nextInt();//5

**if**(a<10)

out.print("no is < 10");

out.print("%d",a); //ill legal else without if

**else**

printf("no is > 10");

out.print("i am last statement");

***out***.print("I am last statement");

}

}

//Accept a number if it is divisible by 3 print “fun”, if it is divisible by 7 print “buzz” and if it is divisible by 3 and 7 both print “funbuzz” a%7==0 a%3==0

**import** **static** java.lang.System.***out***;

**import** java.util.\*;

**public** **class** Myclass {

**public** **static** **void** main(String[] args) {

**int** no;

Scanner sc= **new** Scanner(System.***in***); //System.in is a standard input stream.

System.***out***.print("Enter a number ");

no=sc.nextInt();//9 49 21

**if** (no%3==0)

***out***.print("fun");

**else** **if**(no%7==0)

***out***.print("buzz");

**else** **if**(no%3==0&&no%7==0)

***out***.print("fun buzz");

}

}

**import** **static** java.lang.System.***out***;

**import** java.util.\*;

**public** **class** Myclass {

**public** **static** **void** main(String[] args) {

**int** no;

Scanner sc= **new** Scanner(System.***in***); //System.in is a standard input stream.

System.***out***.print("Enter a number ");

no=sc.nextInt();//7 9 21

**if**(no%3==0)

***out***.print("fun");

**if**(no%7==0)

***out***.print("buzz");

}

}

**import** **static** java.lang.System.***out***;

**import** java.util.\*;

**public** **class** Myclass {

**public** **static** **void** main(String[] args) {

**int** no;

Scanner sc= **new** Scanner(System.***in***); //System.in is a standard input stream.

System.***out***.print("Enter a number ");

no=sc.nextInt();//9 49 21

**if** (no%3==0 && no%7==0)

***out***.print("fun Buzz");

**else** **if**(no%7==0)

***out***.print("buzz");

**else** **if**(no%3==0)

***out***.print("fun");

}

}

//Accept three number and print the highest number

//logically wrong

**import** **static** java.lang.System.***out***;

**import** java.util.\*;

**public** **class** Myclass {

**public** **static** **void** main(String[] args) {

**int** a,b,c;

Scanner sc= **new** Scanner(System.***in***); //System.in is a standard input stream.

System.***out***.print("Enter a number ");

a=sc.nextInt();//21

b=sc.nextInt();//12

c=sc.nextInt();//25

**if**(a>b&&a>c)

***out***.print("highest number"+a);

**else** **if**(b>c)

***out***.print("highest number"+b);

**else**

***out***.print("highest number"+c);

}

}

//Accept three number and print the highest number

**import** **static** java.lang.System.***out***;

**import** java.util.\*;

**public** **class** Myclass {

**public** **static** **void** main(String[] args) {

**int** a,b,c;

Scanner sc= **new** Scanner(System.***in***); //System.in is a standard input stream.

System.***out***.print("Enter a number ");

a=sc.nextInt();//10 //12 12

b=sc.nextInt();//15 //10 10

c=sc.nextInt();//25 //15 5

**if**(a>b)

{

**if**(a>c)

***out***.println(" highest number"+a);

**else**

***out***.println(" highest number"+c);

}

**else** { **if**(b>c)

***out***.println(" highest number"+b);

**else**

***out***.println(" highest number"+c);

}

}

}

//Accept three number and print the highest number

**import** **static** java.lang.System.***out***;

**import** java.util.\*;

**public** **class** Myclass {

**public** **static** **void** main(String[] args) {

**int** a,b,c;

Scanner sc= **new** Scanner(System.***in***); //System.in is a standard input stream.

System.***out***.print("Enter a number ");

c

b

a

a=sc.nextInt();//12 11 30

b=sc.nextInt();//22 25 22

22

25

25

12

c=sc.nextInt();//25 10 5

**if**(a>b)

b=a;

**if**(c>b)

b=c;

***out***.print(b);//25 //25 //30

}

}

//Accept a number check if it is odd or even

**import** **static** java.lang.System.***out***;

**import** java.util.\*;

**public** **class** Myclass {

**public** **static** **void** main(String[] args) {

**int** a;

Scanner sc= **new** Scanner(System.***in***); //System.in is a standard input stream.

System.***out***.print("Enter a number ");

a=sc.nextInt();//4 9

**if**(a%2==0)

***out***.print("even number");

if(a%2!=0)

***out***.print("odd");

**if**(a%2==0)

***out***.print("even number");

**else**

***out***.print("odd");

}

}

Logic 2.

//odd even without modular operator//4 5

**if** (a/2\*2==a)

***out***.print("even number");

**else**

***out***.print("odd");

Logic 3

//odd even with bit wise

**import** **static** java.lang.System.***out***;

**import** java.util.\*;

**public** **class** Myclass {

**public** **static** **void** main(String[] args) {

**int** a;

Scanner sc= **new** Scanner(System.***in***); //System.in is a standard input stream.

System.***out***.print("Enter a number ");

a=sc.nextInt();//2

3🡺011

1🡺001

1 🡺001

2🡺010

1🡺001

🡺000

**int** r=a & 1;(100&001)

**if**(r==0)

***out***.print("even number");

**else**

***out***.print("odd");

}

}

Logic 4.

//odd even with loop

**import** **static** java.lang.System.***out***;

**import** java.util.\*;

**public** **class** Myclass {

**public** **static** **void** main(String[] args) {

**int** a;

Scanner sc= **new** Scanner(System.***in***); //System.in is a standard input stream.

System.***out***.print("Enter a number ");

a=sc.nextInt();//6 7

**while**(a>2)//6 4 //7 5 3 1

{

a = a-2;//4 2 //5 3 1

}

**if**(a==2)

***out***.print("even number");

**else**

***out***.print("odd");

}

}

**Possible error in if else**

Point 1.

import java.util.\*;

public class Myclass {

    public static void main(String[] args) {

        int a;

        Scanner sc= new Scanner(System.in); //System.in is a standard input stream.

If(a<10){

;

}

System.out.print("no<10 "+a);

    System.out.print("last statement ");

    System.out.print("Enter a number ");

    a= sc.nextInt();

    if(a<10);

    System.out.print("no<10 "+a);

    System.out.print("last statement ");

    }

}

What compiler see the code

    a= sc.nextInt();

    if(a<10)

{;}

    System.out.print("no<10 "+a);

    System.out.print("last statement ");

Point 2

import java.util.\*;

public class Myclass {

    public static void main(String[] args) {

        int a;

        Scanner sc= new Scanner(System.in); //System.in is a standard input stream.

    System.out.print("Enter a number ");

    a= sc.nextInt();

    if(a<10);

    System.out.print("no<10 "+a);

    else

    System.out.print("no > 10 "+a);

    System.out.print("last statement ");

    }

}

    if(a<10)

{;}

    System.out.print("no<10 "+a);

    else

    System.out.print("no > 10 "+a);

    System.out.print("last statement ");

Be carefull

import java.util.\*;

public class Myclass {

    public static void main(String[] args) {

        int mks;

        Scanner sc= new Scanner(System.in); //System.in is a standard input stream.

    System.out.print("Enter a number ");

    mks= sc.nextInt(); //80 57 36 30

    if(mks>=70)

    System.out.printf("A");

      if(mks>=55)

      System.out.printf("B");

     if(mks>=35)

     System.out.printf("C");

    else(mks<35)

    System.out.printf("fail");

    }

}

O/P ABC

DO not use if , if and then else

import java.util.\*;

public class Myclass {

    public static void main(String[] args) {

        int mks;

        Scanner sc= new Scanner(System.in); //System.in is a standard input stream.

    System.out.print("Enter a number ");

    mks= sc.nextInt(); //80 30

    if(mks>=70)

    System.out.printf("A");

      if(mks>=55&&mks<70)

      System.out.   printf("B");

     if(mks>=35&&mks<55)

     System.out.printf("C");

    else

    System.out.printf("fail");

    }

}

O/P 80 fail

Finally Correct Answer for Grade

import java.util.\*;

public class Myclass {

    public static void main(String[] args) {

        int mks;

        Scanner sc= new Scanner(System.in); //System.in is a standard input stream.

    System.out.print("Enter a number ");

    mks= sc.nextInt(); //80  60 30 45

    if(mks>=70)

    System.out.printf("A");

     else if(mks>=55)

      System.out.   printf("B");

     else if(mks>=35)

     System.out.printf("C");

    else

    System.out.printf("fail");

    }

}

   Scanner sc= new Scanner(System.in); //System.in is a standard input stream.

    System.out.print("Enter a number ");

    mks= sc.nextInt(); //80  60 30 45

    boolean b=mks<10;

    System.out.print(b);

If input 🡺5

b🡺true

import java.util.\*;

public class Main

{

public static void main(String[] args) {

char ch;

Scanner sc= new Scanner(System.in);

System.out.print("Enter a charcter ");

ch=sc.next().charAt(0);

if((ch>='A'&&ch<='Z')||(ch>='a'&&ch<='z'))

{

if(ch=='A'||ch=='a'||ch=='E'||ch=='e'||ch=='i'||ch=='I'||ch==’o’…..)

System.out.print("Vovel");

else

System.out.print("Not a Vovel");

}

else

System.out.print("not Valid character");

}

}