Session 1

class First

{

public static void main(String[] args)

{

System.out.println("Hello World!");

}

}

class Second

{

public static void main(String[] args)

{

System.out.println("swati");

}

}

class Third

{

public static void main(String[] args)

{

System.out.println("Hello");

}

}

class Fourth

{

}

class Fifth

{

public static void main(String[] args)

{

System.out.println("Hello");

System.out.println("Good Afternoon");

System.out.println("How are you?");

System.out.println();

System.out.println();

System.out.println("Bye");

}

}

//Hello

//Good Afternoon

//How are you?

//

//

//Bye

//

class Sixth

{

public static void main(String[] args)

{

System.out.print("Hello");

System.out.print("Good Afternoon");

System.out.print("How are you?");

System.out.print("Bye");

System.out.print();//compile time error

}

}

//HelloGood AfternoonHow are you?Bye

class Seventh

{

public static void main(String[] args)

{

System.out.println("Hello World!");

System.out.print(" How are you?");

System.out.println("Today is Wednesday");

System.out.print("This is core java class");

}

}

//Hello World!

// How are you?Today is Wednesday

//This is core java class

class Eighth

{

public static void main(String[] args)

{

System.out.print("Name=Swati");

System.out.println();

System.out.print("Comapny Name=Test Yantra");

}

}

Session2

class 1Program

{

public static void main(String[] args)

{

System.out.println("Hello World!");

}

}

class \_Program\_Second\_

{

public static void main(String[] args)

{

System.out.println("Hello World!");

}

}

class $Program$Third$

{

public static void main(String[] args)

{

System.out.println("Hello World!");

}

}

class Program Fourth

{

public static void main(String[] args)

{

System.out.println("Hello World!");

}

}

class void

{

public static void main(String[] args)

{

System.out.println("Hello World!");

}

}

class $void

{

public static void main(String[] args)

{

System.out.println("Hello World!");

}

}

Session3

class Program1

{

public static void main(String[] args)

{

//local variable

byte b=34;//declaration and initialization

System.out.println(b);

Short s=345;

System.out.println(s);

int i=3445;

System.out.println(i);

long l=877666766554L;

System.out.println(l);

float f=45.90F;

System.out.println(f);

double d=877654.34344556;

System.out.println(d);

char c1='l';

System.out.println(c1);

char c2=122;//'z'

System.out.println(c2);//z

}

}

class Program2

{

public static void main(String[] args)

{

byte b=23;//8 bits

int n=b;//32 bits Widening

System.out.println(b+" "+n);//23 23

double d=45.12;//64bits or 8 bytes

int n1=(int)d;//32 bits Narrowing

System.out.println(n1+" "+d);

int n2=567;

float f=n2;//Widening

System.out.println(n2+" "+f);

int n3=(int)f;//narrowing

System.out.println(n3);

}

}

//1 byte=8 bits

//1024bytes=1 kb

//1024 kb=1 mb

//byte<short<int<long<float<double

class Program3

{

public static void main(String[] args)

{

int a=10;

int b=a;//10

System.out.println(a+b);//20

System.out.println(a+" "+b);//10 10

System.out.println(a+"CoreJava");//10CoreJava

System.out.println(a+b+"Core Java");//20Core Java

System.out.println("Core Java"+a+b);//Core Java1010

System.out.println("Core Java"+(a+b));//CoreJava20

}

}

class Program4

{

public static void main(String[] args)

{

char ch1='z';//122

char ch2='Z';//90

System.out.println(ch1+" "+ch2);//z Z

int a=ch1;//Widening

int b=ch2;//Widening

System.out.println(a+" "+b);//122 90

System.out.println((int)ch1+" "+(int)ch2);

System.out.println(ch1+ch2);//122+90=212

}

}

class Program5

{

public static void main(String[] args)

{

char ch='a';

int a=ch;

float f=ch;

double d=ch;

System.out.println(ch+" "+a+" "+f+" "+d);

int a1=100;

char c1=(char)a1;

System.out.println(c1);//'d'

float f1=97.1234f;

char c2=(char)f;

System.out.println(c2);//'a'

long l=43L;

char c3=(char)l;

System.out.println(c3);//'+'

double d1=50.1278;

char c4=(char)d1;

System.out.println(c4);//'2'

}

}

class Program6

{

public static void main(String[] args)

{

int a=61;

float b=(float)a/2;// a/2f or a/2.0f

System.out.println(a+" "+b);

}

}

class Program7

{

public static void main(String[] args)

{

float a=56.34f/2;//

System.out.println(a);

}

}

class Program8

{

public static void main(String[] args)

{

char c='g';//103

int a=c+10;//103+10=113

c=(char)a;//113->'q'

int b=c-50;//113-50=63

char ch2=(char)b;//63->'?'

System.out.println(c+" "+ch2);

}

}

Session4->[Operators]

class ArithmeticOperator

{

public static void main(String[] args)

{

byte a1=67,b1=33;

//byte c1=(byte)(a1+b1);//c1=(byte)100

int c1=a1+b1;

System.out.println(c1);

short a2=567,b2=234;

short c2=(short)(a2-b2);

System.out.println(c2);

int a3=876,b3=875;

int c3=a3\*b3;

System.out.println(c3);

long a4=344556l,b4=776l;

long c4=a4/b4;

System.out.println(c4);

float a5=3234344.43454f,b5=663.78f;

float c5=a5%b5;

System.out.println(c5);

//High Low->High

byte a6=56;

int b6=1234;

//byte c6=(byte)(a6+b6);

int c6=a6+b6;

System.out.println(c6);

int a7=4445;

double b7=434554.6787;

//int c7=(int)(a7-b7);

double c7=a7-b7;

System.out.println(c7);

short a8=345;

int b8=23455;

short c8=(short)(b8%a8);

System.out.println(c8);

}

}

class AssignmentOperator

{

public static void main(String[] args)

{

int a=20,b=19;

a+=b;//a=a+b

System.out.println(a);//39

System.out.println(b);//19

short a1=6783;

int b1=230012;

a1-=b1;//short=short-int

System.out.println(a1);//39

System.out.println(b1);//19

int a2=6789;

double b2=89.12;

a2/=b2;//a2=a2/b2;int/double->int

System.out.println(a2);

System.out.println(b2);

float a3=260.90f;

byte b3=54;

a3\*=b3;//float \*byte->float

System.out.println(a3);

System.out.println(b3);

int a4=260;//range of int

byte b4=(byte)a4;//260 is not in the range of byte

System.out.println(a4);

System.out.println(b4);

//260>127(last range of byte)->-128 to 127

//total no charcaters=256

//260%256->remainder

}

}

class AssignmentOperator1

{

public static void main(String[] args)

{

int a=20;

a+=20;//20+20=40

a-=1;//40-1=39

a\*=3;//39\*3=117

a/=2;//117/2=58

a+=17;//58+17=75

System.out.println(a);

}

}

class LogicalRelational1

{

public static void main(String[] args)

{

int a=80,b=30,c=70;

boolean result1=a>b && b>c;//80>30t && 30>70f

System.out.println(result1);

boolean result2=a<b && b>c;//80<30f

System.out.println(result2);

boolean result3=!(a>b && b<c);//80>30 t && 30<70 t= !t=f

System.out.println(result3);

}

}

class LogicalRelational2

{

public static void main(String[] args)

{

int a=80,b=30,c=70;

boolean result1=a>b || b>c;//80>30t =t

System.out.println(result1);

boolean result2=a<b || b>c;//80<30f || 30>70f =f

System.out.println(result2);

boolean result3=!(a>b || b<c);//80>30 t =!t=f

System.out.println(result3);

}

}

class TernaryOperator1

{

public static void main(String[] args)

{

int a=20,b=30;

int result=a>b? a:b;//20>30f->b=30-->result1

System.out.println(result);

int num=5;

String result1=(num%2==0)?"Even":"Odd";//5%2==0,1==0f

System.out.println(result1);

char ch='2';

String result2=(ch>='A'&&ch<='Z') || (ch>='a'&&ch<='z')?"an Alphabet":"not an Alphabet";

System.out.println(ch+" is "+result2);

}

}

class NestedTernaryOperator

{

public static void main(String[] args)

{

//smallest of 3 number

int a=180,b=150,c=78;

int res=a<b? a<c?a:c : b<c?b:c;

//180<150 false-->statement 2/operand 3

//150<78f->statement 2->c=res

//op1 op2 op3

System.out.println("The smallest value="+res);

//smallest of 4 number

int a1=50,b1=20,c1=66,d1=44;

int res1=(a1<b1 &&a1<c1&&a1<d1)? a1:(b1<c1&&b1<d1)?b1 : (c1<d1?c1:d1);

System.out.println("The smallest value="+res1);

}

}

//smallest of 5 numbers

//34567=7+3=10 6+5+4=15 10==15

//HackerRank

//Git hub

class IncrementDecrementOperator

{

public static void main(String[] args)

{

int a=10;//++10=11++=--12=--11=10

System.out.println(++a);//11

System.out.println(a);//11

System.out.println(a++);//11

System.out.println(a);//12

System.out.println(--a);//11

System.out.println(a--);//11

System.out.println(a);//10

System.out.println("\*\*\*\*");

int a1=10;//10++=11-->a1

int b1=a1++;//10-->b1

System.out.println(a1);//11

System.out.println(b1);//10

System.out.println("\*\*\*\*");

int c=7;//7++=++8=9

int d=8;//++8=9

int e=c++ + ++c + ++d;

// 7 + 9 + 9=25

System.out.println(c);//9

System.out.println(d);//9

System.out.println(e);//25

System.out.println("\*\*\*\*");

int i=10;//10++=++11=++12=++13=--14=13++=14

int j=20;//20--=--19=--18=17++=18

System.out.println(i++);//10

System.out.println(i);//11

System.out.println(j--);//20

System.out.println(j);//19

System.out.println(++i);//12

System.out.println(--j);//18

System.out.println(++i + 60+ ++i);

//13+60+14=87

System.out.println(--i + --j + i++ + j++ +"java");

//13+17+13+17+"java"

//26+34=60java

System.out.println("\*\*\*\*");

int k=20;//20++=21

int l=40;

boolean b=k++>l && l++>k;

//20>40f

System.out.println(k);

System.out.println(l);

System.out.println(b);

System.out.println("\*\*\*\*");

//post->change after the action

//pre->change before the action

int y=14;//++14=15++=16

int z=(++y\*(y++ +5));

//15\*(15 +5))=15\*20=300

System.out.println(y);

System.out.println(z);

int x=8;//++8=9++=10

x-=++x + x++ + 4;

// x=x-(++x + x++ + 4);

//8-(9+9+4)=>8-22=-14

System.out.println(x);

int m=12;//++12=13

int n=8;//8++=9

m\*=++m/6 + n++%3;

//m=m\*(++m/6 + n++%3)

// 12\*(13/6 + 8%3)

//12\*(2+2)= 12\*4=48

System.out.println(m);//48

System.out.println(n);//9

}

}

Session5->[Decision making]

class Program1

{

public static void main(String[] args)

{

int a=100;

int b=20;

//condition

if(a>b)//100>20true

{

System.out.println(a+" is the greatest number");

}

System.out.println("Hello World!");

}

}

class Program2

{

public static void main(String[] args)

{

int n=74;

if(n%2==0)//74%2==0,0==0t

{

System.out.println(n+" is an Even number");

}

System.out.println("Hello World!");

}

}

class Program3

{

public static void main(String[] args)

{

int m=3,n=5,p=4;

boolean b=false;

if(m==n && n!=p)//3==5f

{

System.out.println(m\*n);

}

if (m!=n || n==p) //3!=5t

{

System.out.println(m+n);

}

if(!b)//!false=not false=true

{

System.out.println("True value");

}

if(true)

{

System.out.println("Hello");

}

}

}

class Program4

{

public static void main(String[] args)

{

int a=10;

int b=20;

//condition

if(a>b)//10>20false

{

System.out.println(a+" is the greatest number");

}

else

{

System.out.println(b+" is the greatest number");

}

}

}

//num->divisible by both 2 n 3

class Program5

{

public static void main(String[] args)

{

int n=7;

if(n%2==0)//7%2==0,1==0f

{

System.out.println(n+" is an Even number");

}

else

{

System.out.println(n+" is a Odd Number");

}

}

}

class Program6

{

public static void main(String[] args)

{

int num=6;

if(num%2==0 && num%3==0)

{

System.out.println(num+" is divisible by both 2 and 3");

}

else

{

System.out.println(num+" is not divisible by both 2 and 3");

}

}

}

class Program7

{

public static void main(String[] args)

{

int a=56,b=34,c=10;

if(a<b && a<c)//56<34f

{

System.out.println(a+" is the smallest number");

}

else if(b<c)//34<10f

{

System.out.println(b+" is the smallest number");

}

else

{

System.out.println(c+" is the smallest number");

}

}

}

//write a program to accept 5 number

//and find the greatest of them

class Program8

{

public static void main(String[] args)

{

int a=56,b=34,c=10,d=23,e=90;

if(a>b && a>c && a>d && a>e)//56>34t

{

System.out.println(a+" is the Greater ");

}

else if(b>c && b>d && b>e)//34<10f

{

System.out.println(b+" is the Greater");

}

else if(c>d && c>e)

{

System.out.println(c+" is the Greaterr");

}

else if(d>e)

{

System.out.println(d+" is the Greaterr");

}

else

{

System.out.println(e+" is the Greaterr");

}

}

}

//char ch='8', it is an alphabet or

//it is a number or a special character

class Program9

{

public static void main(String[] args)

{

char ch='d';

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

{

System.out.println(ch+" is an Alphabet");

}

else if(ch>='0' && ch<='9')

{

System.out.println(ch+" is a number");

}

else

{

System.out.println(ch+" is a special charcater");

}

}

}

//write a program and take a int num

//and find if it is positive or negative or a zero

class Program10

{

public static void main(String[] args)

{

int num=0;

if(num>0)//num>=1

{

System.out.println(num+" is the positive number");

}

else if(num<0)//num<=-1

{

System.out.println(num+" is the negative number");

}

else if(num==0)//

{

System.out.println(num+" is a zero");

}

}

}

class Program11

{

public static void main(String[] args)

{

int n=2;

switch(n)//=2

{

case 1:{

System.out.println("case 1");

}

case 2:{//matched

System.out.println("case 2");

}

case 3:{

System.out.println("case 3");

}

case 4:{

System.out.println("case 4");

}

}

}

}

class Program12

{

public static void main(String[] args)

{

int n=2;

switch(n)//=0+2=2, -,\*,/n no float long double and boolean

{

case 1:{

System.out.println("case 1");

}

break;

case 2:{//matched

System.out.println("case 2");

}

break;

case 3:{

System.out.println("case 3");

}

break;

case 4:{

System.out.println("case 4");

}

}

}

}

class Program13

{

public static void main(String[] args)

{

int n=6;

switch(n)//=6

{

case 1:{

System.out.println("case 1");

}

break;

case 2:{

System.out.println("case 2");

}

break;

case 3:{

System.out.println("case 3");

}

break;

case 4:{

System.out.println("case 4");

}

default:System.out.println("Invalid choice");

}

}

}

class Program14

{

public static void main(String[] args)

{

char ch=70;

switch(ch)//f 70

{

case 'a':System.out.println("case a");

break;

case 'b':System.out.println("case b");

break;

case 'c':System.out.println("case c");

break;

case 'd':System.out.println("case d");

break;

case 'e':System.out.println("case e");

break;

case 'f':System.out.println("case f");//matched

break;

default:System.out.println("Invalid choice");

}

}

}

class Program15

{

public static void main(String[] args)

{

String festivals="Dusherra";

switch(festivals)//f 70

{

case "Holi":System.out.println("Holi");

break;

case "Diwali":System.out.println("Diwali");

break;

case "Dusherra":System.out.println("Dusherra");

break;

case "Onam":System.out.println("Onam");

break;

case "Christmas":System.out.println("Christmas");

break;

case "Ganesh Chaturthi":System.out.println("Ganesh Chaturthi");//matched

break;

default:System.out.println("Invalid choice");

}

}

}

class Program16

{

public static void main(String[] args)

{

char ch = 'B';

if (ch=='A'||ch=='E'||ch=='I' || ch=='O' ||

ch=='U' || ch=='a'||ch=='e'||ch=='i' || ch=='o' || ch=='u')

{

System.out.println(ch+" is a Vowel");

}

else

{

System.out.println(ch+" is a Consonant");

}

}

}

class Program17

{

public static void main(String[] args)

{

char ch = 'i';

switch (ch)

{

case 'A':

case 'E':

case 'I':

case 'O':

case 'U':

case 'a':

case 'e':

case 'i':

case 'o':

case 'u':System.out.println(ch + " is a vowel.");

break;

default: System.out.println(ch + " is a consonant.");

}

}

}

//int year=2023->leap year?

//1800%4==0

//concept:-A year having 366 day is a leap year.

//According to proleptic calender system rule:

//a leap year is divisible by 4 and it is not divisible by 100

//2000%4==0 leap 1700%100!=0-> 1800%400==0->

//it is divisible by 400 2000%400=0 1600%400==0 1700%400==0

class Program18

{

public static void main(String[] args)

{

int year=1600;

if((year%4==0 && year%100!=0) ||(year%400==0))

System.out.println(year+" is a Leap year");

else

System.out.println(year+" is not a Leap year");

}

}

//a,b,sum->in case 1 diff->case 2 prod->case 3

//division->case 4 quotient ->case 5

class Program19

{

public static void main(String[] args)

{

int choice = 3,a=5,b=6;

switch (choice)//3

{

case 1 :

{

System.out.println("Sum of "+a+" and "+b+"="+(a+b));

}

break;

case 2 :{

System.out.println("Difference of "+a+" and "+b+"="+(a-b));

}

break;

case 3 :{

System.out.println("Product of "+a+" and "+b+"="+(a\*b));

}

break;

case 4 :{

System.out.println("Quotient of "+a+" and "+b+"="+(a/b));

}

break;

case 5 :{

System.out.println("Remainder of "+a+" and "+b+"="+(a%b));

}

break;

default : System.out.println("Invalid Operation");

}

}

}

Session6->[Looping Statements]

class Program1

{

public static void main(String[] args)

{

//1 2 3 4 5->print the name 5 times

int i=1;

while(i<=5)//1<=5t 2<=5t 3<=5t 4<=5t 5<=5t 6<=5f

{

System.out.println("swati");//swati

//swati

//swati

//swati

//swati

++i;//i++, ++1=++2=++3=++4=++5=6

}

}

}

class Program2

{

public static void main(String[] args)

{

int i=1;

while(i<=10)//1<=10t 2<=10t 3<=10t 4<=10t..10<=10 11<=10f

{

System.out.print(i+" ");//1 2 3 4 ...10

i++;//1++=2++=3++=4...10++=11

}

}

}

class Program3

{

public static void main(String[] args)

{

int i=1;

System.out.println("The even numbers from 1 to 10 are:");

while(i<=10)//1<=10t2<=10t3<=10t4<=10t5<=10t6<=10t 11<=10f

{

if(i%2==0)//6%2==0t

{

System.out.print(i+" ");//2 4 6 8 10

}

i++;//1++=2++=3++=4++=5++6

}

System.out.println();

int j=1;

System.out.println("The odd numbers from 1 to 10 are:");

while(j<=10)//1<=10t2<=10t3<=10t4<=10t5<=10t6<=10t 11<=10f

{

if(j%2!=0)//3%2!=0t

{

System.out.print(j+" ");//1 3 5 7 9

}

j++;//1++=2++=3++=4++=5++6

}

}

}

class Program4

{

public static void main(String[] args)

{

int i=1;

int sum=0;//1,3,6,10,15...55

while(i<=10)//1<=10t2<=10t3<=10t4<=10t5<=10t6<=10

{

sum=sum+i;//sum+=i;=>0+1=1+2=3+3=6+4=10+5=15+6=21+7=28+8=36+9=45+10=55

//System.out.println(sum);

i++;//1++=2++=3++=4++=5++=6

}

System.out.println("Sum="+sum);//55

}

}

//A to Z

class Program5

{

public static void main(String[] args)

{

char ch=65;

while(ch<='Z')//65<=9066<=90

{

System.out.print(ch+" ");//A B.....Z

ch++;//65++=66

}

}

}

class Program6

{

public static void main(String[] args)

{

int i=1;

while(i<=10)//1<=10t 2<=1 3<=1 4<=10 5<=10

{

if(i==5)//5==5t

{

break;

}

System.out.println(i);//1 2 3 4

i++;//2 3 4 5

}

System.out.println();

int j=0;

while(j<=10)//1<=10t 2<=1 3<=1 4<=10 5<=10

{

j++;//2 3 4 5

if(j==5)//5==5t

{

continue;

}

System.out.println(j);//1 2 3 4

}

}

}

class Program7

{

public static void main(String[] args)

{

//1 2 3 4 5->print the name 5 times

int i=1;

do

{

System.out.println("swati");//swati

//swati

//swati

//swati

//swati

++i;//i++, ++1=++2=++3=++4=++5=6

}while(i<=5);// 2<=5t 3<=5t 4<=5t 5<=5t 6<=5f

}

}

class Program8

{

public static void main(String[] args)

{

int i=21;

do

{

System.out.print(i+" ");//21 22 23..30

i++;//22 23 24..31

}

while (i<=30);//22<=30t 23<=30t 24<=30.....30<=30 31<=30false

}

}

class Program9

{

public static void main(String[] args)

{

int i=35;

System.out.println("The even numbers from 35 to 89 are:");

do

{

if(i%2==0)//38%2==0t

{

System.out.print(i+" ");//36 38

}

i++;//36 37 38

}while(i<=89);//36<=89t 37<=89t 38<=89t

System.out.println();

int j=50;

System.out.println("The odd numbers from 50 to 100 are:");

do

{

if(j%2!=0)//51%2!=0t

{

System.out.print(j+" ");//51

}

j++;//51 52

}while(j<=100);//51<=100t 52<=100

}

}

class Program10

{

public static void main(String[] args)

{

int i=1;

int sum=0;//1,3,6,10,15...55

do

{

sum=sum+i;//sum+=i;=>0+1=1+2=3+3=6+4=10+5=15+6=21+7=28+8=36+9=45+10=55

//System.out.println(sum);

i++;//1++=2++=3++=4++=5++=6

}while(i<=10);//2<=10t3<=10t4<=10t5<=10t6<=10

System.out.println("Sum="+sum);//55

}

}

class Program11

{

public static void main(String[] args)

{

char ch=65;

do

{

System.out.print(ch+" ");//A B.....Z

ch++;//65++=66

}while(ch<='Z');//65<=9066<=90

}

}

//write a java program to print only consonant from a to z

//using do while loop

class Program12

{

public static void main(String[] args)

{

char ch='a';

System.out.println("The consonant are:-");

do

{

if(ch!='a' && ch!='e' && ch!='i' &&ch!='o' && ch!='u')

{

System.out.print(ch+" ");//b c ..z

}

ch++;

}while(ch<='z');//ch-->z

System.out.println();

System.out.println("The vowels are:-");

ch='a';

do

{

if(ch =='a' || ch=='e' || ch=='i' || ch=='o' || ch=='u')

{

System.out.print(ch+" ");//a e

}

ch++;

}while(ch<='z');

}

}

class Program13

{

public static void main(String[] args)

{

int a=5,b=10,count=0;

while(a>b)//false

{

count++;

System.out.println("value of b="+b);

}

System.out.println("Iteration="+count);//0

}

}

class Program14

{

public static void main(String[] args)

{

int a=5,b=10,count=0;

do

{

count++;

System.out.println("value of b="+b);

}while(a>b);

System.out.println("Iteration="+count);//1

}

}

class Program15

{

public static void main(String[] args)

{

int i;

for(i=1;i<=5;i++)//1<=5t 1++=2<=5t 2++=3<=5t 3++=4<=5t 4++=5<=5t 5++=6<=5f

{

System.out.println("Hello World!");

}

}

}

//Hello World!

//Hello World!

//Hello World!

//Hello World!

//Hello World!

//

class Program16

{

public static void main(String[] args)

{

int i,j,count=0;

for(i=101,j=200;i<=j;++i)//101<=200t 101++=102<=200t++102=103<=200t ++103=104<=200t

{

System.out.print(i+" ");//101 102 103 104......200

count++;

}

System.out.println("Count="+count);

}

}

class Program17

{

public static void main(String[] args)

{

int i;

System.out.println("The even numbers from 101 to 200 are");

for(i=101;i<=200;++i)

{

if(i%2==0)

{

System.out.print(i+" ");

}

}

System.out.println();

System.out.println("The odd numbers from 101 to 200 are");

for(i=101;i<=200;++i)

{

if(i%2!=0)

{

System.out.print(i+" ");

}

}

}

}

//assignment:

//1.A to Z print using for loop

//2.a-z->consonant and a-z->vowels

class Program18

{

public static void main(String[] args)

{

int i,sum=0;

for(i=101;i<=200;i++)

{

sum+=i;//sum=sum+i

}

System.out.println("Sum="+sum);

}

}

class InfiniteLoop

{

public static void main(String[] args)

{

int i=1;

/\*while(i<=5)//1<=5t

{

System.out.println("Hello World!");

}\*/

/\* do

{

System.out.println("Hello");

}

while (i<=5);//1<=5t\*/

/\* for( ;i<=5; )

{

System.out.println(i);

}\*/

for( ; ; )//cond=>true

{

System.out.println("Good Morning");

}

}

}

class NullLoop

{

public static void main(String[] args)

{

System.out.println("Hello World!");

int i;

for(i=1;i<=5;i++)//1<=5 1++=2<=5 2++=3<=5 3++=4<=5 5++=6<=5f

{

}

System.out.println(i);//6

int j;

for(j=101;j<=150;j++);//j=151<=150 false

System.out.println(j);

}

}