**PREMITIVE DATA TYPES –**

public class premitiveDT {

public static void main(String[] args) {

int x= 5;

int y=7;

System.out.println("x is: " + x);

System.out.println("y is: " + y);

byte b = 10;

System.out.println("b is: " + b);

byte b2 = (byte)129;

System.out.println("B2 is: " + b2);

int i=b;

System.out.println("i is: " + i);

}

}

**OPERATORS AND OPERANDS**

public class operatorandoperands {

public static void main(String[] args) {

int x= 5;

int y=7;

System.out.println("x is: " + x);

System.out.println("y is: " + y);

byte b = 10;

System.out.println("b is: " + b);

byte b2 = (byte)129;

System.out.println("B2 is: " + b2);

int i=b;

System.out.println("i is: " + i);

float f = (float)5.3;

float f2 = 5.5f;

double d = 18.5;

char ch = 'a';

System.out.println(ch);

int z = x+y;

int p = 5;

int q = ++p;

System.out.println("P is: " + p +" Q, is: " + q);

}

}

**CHAR TO INT –**

public class chartoint {

public static void main(String[] args) {

int x= 5;

int y=7;

System.out.println("x is: " + x);

System.out.println("y is: " + y);

byte b = 10;

System.out.println("b is: " + b);

byte b2 = (byte)129;

System.out.println("B2 is: " + b2);

int i=b;

System.out.println("i is: " + i);

float f = (float)5.3;

float f2 = 5.5f;

double d = 18.5;

char ch = 'a';

System.out.println(ch);

int a = Character.getNumericValue('a');

System.out.println("A is: " + a);

char c = 'a';

int ax = c;

System.out.println(ax);

System.out.println((int)('a'));

System.out.println((int)('A'));

char c3 = 'b';

int e = c3 + 'a';

System.out.println("E is: " + e);

int z = x+y;

int p = 5;

int q = ++p;

System.out.println("P is: " + p +" Q, is: " + q);

Integer x1 = new Integer(x);

System.out.println(x1);

}

}

**CAR STUDY (CONTROL FLOW)**

class Car{

String name;

String color;

int year;

int maxSpeed;

void accelerate() {

System.out.println("Car is accelerating");

}

}

public class carStudy {

public static void main(String[] args) {

Car polo = new Car();

System.out.println(polo.name);

System.out.println(polo.color);

System.out.println(polo.year);

System.out.println(polo.maxSpeed);

polo.name = "POLO";

polo.color = "red";

polo.year = 2016;

polo.maxSpeed = 120;

System.out.println(polo.name);

System.out.println(polo.color);

System.out.println(polo.year);

System.out.println(polo.maxSpeed);

}

}

**CONTROL FLOW**

import java.util.\*;

class Students{

String name;

int marks;

boolean checkPass() {

// if(marks>40) {

// return true;

// }

// else {

// return false;

// }

if(marks>=40) return true;

return false;

}

}

public class ControlFlow {

int findMax(int a, int b, int c){

if(a>b) {

if(a>c) {

return a;

}

else {

return c;

}

}

else

{

if(b>c) {

return b;

}

else {

return c;

}

}

}

public static void main(String[] args) {

Students s1 = new Students();

s1.name = "Ram";

s1.marks = 80;

Students s2 = new Students();

s2.name = "Stam";

s2.marks = 80;

System.out.println(s1.checkPass());

System.out.println(s2.checkPass());

ControlFlow cf = new ControlFlow();

System.out.println(cf.findMax(10, 7, 15));

// Scanner sc = new Scanner(System.in);

char c = 'a';

switch(c)

{

case 'a':

System.out.println("HI I am A");

break;

case 'b':

System.out.println("HI I am B");

break;

case 'c':

System.out.println("HI I am C");

break;

default:

System.out.println("I am not A,B and C;");

}

System.out.println("After Switch");

}

}

**INHERITANCE –**

class A{

int a,b;

public void show() {

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

}

}

//class B extends A{

// public void speak() {

// System.out.println("Writing!");

// }

//}

interface b{

public void eat();

}

interface D extends b{

public void sleep();

}

class C implements b,D{

int e,f;

public void speak() {

System.out.println("Speaking");

}

@Override

public void eat() {

}

@Override

public void sleep() {

}

}

public class Inheritance {

public static void main(String[] args) {

// B b = new B();

// C c = new C();

}

}

**STATIC KEYWORD –**

class Student{

int rollNo;

String name;

static int count = 0;

Student(int rollNo , String name){

this.rollNo = rollNo;

this.name = name;

count++;

}

static void showCount() {

System.out.println(count);

}

}

public class StaticKeyword {

public static void main(String[] args) {

Student s1 = new Student(1,"Ram");

System.out.println(s1.count);

Student s2 = new Student(1,"Sita");

System.out.println(s2.count);

Student s3 = new Student(1,"Alex");

System.out.println(s3.count);

}

}

**FINAL KEYWORD –**

class a{

final int nopfalphabate=5;

final int noofdigit;

a(){

noofdigit=10;

}

final void fun()

{

System.out.println("Hi, i am function in class A");

}

}

class B extends A{

// void fun() {

// System.out.println("Hi, i am function in class A");

// }

}

//class C extends B{

//

//}

public class FinalKeyword {

}