Program 1: Program to illustrate "super" keyword used to invoke constructor.

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| --- |
| class A  {  int x,y;  A(int i,int j){  x=i;  y=j;  }  }  class B extends A{  int z;  B(int i,int j,int k){  super(i,j);  z=k;  }  void show(){  System.out.println(x+" "+y+" "+z);  }  }  public class SuperDemo {  public static void main(String[] args)  {  B obj1=new B(12,13,14);  obj1.show();  }  } |

output:

|  |
| --- |
| 12 13 14 |

PROGRAM 2: Program to illustrate "super" keyword used to invoke parent class Method.

|  |
| --- |
| class X{  int a,b;  X(int i,int j)  {  a=i;  b=j;  }  void display()  {  System.out.println(" Have a nice day");  }    }  class Y extends X{  int c;  Y(int i,int j,int k){  super(i,j);  c=k;  }  void display(){  System.out.print(a+" "+b+" "+c);  super.display();  }  }  public class SuperDemo2 {  public static void main(String[] args) {  Y a1=new Y(50,40,30);  a1.display();  }  } |

OUTPUT

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| --- |
| 50 40 30 Have a nice day |

PROGRAM 3: Program to illustrate "super" keyword used to invoke instance variable of parent class.

|  |
| --- |
| class Demo1{  String s="Hi";  int rollno;  String name;  Demo1(int i,String j){  rollno=i;  name=j;  }    void demo(){    System.out.println("Hello");  }  }  class Demo2 extends Demo1{  int age;  Demo2(int i,String j,int k){  super(i,j);  age=k;  }  void demo(){  System.out.println(rollno+" "+name+" "+age);  super.demo();    System.out.println(""+super.s);  }  /\*void demo1(){  System.out.print(""+s);  }\*/  }  public class SuperDemo3 {  public static void main(String[] args) {    Demo2 obj1=new Demo2(10,"Ravi",19);  obj1.demo();  // obj1.demo1();  }  } |

OUTPUT

|  |
| --- |
| 10 Ravi 19  Hello  Hi |