


Inheritance :


Main.java	Output
<pre>1- class Animal{ 2- void makesound(){ 3- System.out.print("meow meow"); 4- } 5- } 6- class Cat extends Animal{ 7- void makesound(){ 8- System.out.print("oye oye"); 9- } 10- } 11 12- public class main { 13- public static void main(String[]args){ 14- Cat a1=new Cat(); 15- a1.makesound(); 16- } 17- } 18- } 19</pre>	<pre>java -cp /tmp/07esQe0RAP/main oye oye === Code Execution Successful ===</pre>

Main.java	Output
<pre>1- class Animal{ 2- void makesound(){ 3- System.out.println("meow meow"); 4- } 5- } 6- class Cat extends Animal{ 7- void makesound(){ 8- super.makesound(); 9- System.out.print("oye oye"); 10- } 11- } 12 13- public class main { 14- public static void main(String[]args){ 15- Cat a1=new Cat(); 16- a1.makesound(); 17- } 18- } 19- } 20</pre>	<pre>java -cp /tmp/S6stzd6nW7/main meow meow oye oye === Code Execution Successful ===</pre>

Main.java	Run	Output
<pre>1- class vehicle{ 2- void drive(){ 3- } 4- } 5- class Car extends vehicle{ 6- void drive(){ 7- System.out.print("repairing a car "); 8- } 9- } 10 11- public class main { 12- public static void main(String[]args){ 13- Car a1=new Car(); 14- a1.drive(); 15- } 16- } 17- } 18 19</pre>		<pre>java -cp /tmp/BPHy7UFZqD/main repairing a car === Code Execution Successful ===</pre>

Main.java	Run	Output
<pre>1- class shape{ 2- void getarea(){ 3- } 4- } 5- class rectangle extends shape{ 6- 7- void getarea(int h,int w){ 8- int a=h*w; 9- System.out.print(a); 10- } 11- } 12 13- public class main { 14- public static void main(String[]args){ 15- rectangle a1=new rectangle(); 16- a1.getarea(2,3); 17- } 18- } 19- } 20 21</pre>		<pre>java -cp /tmp/Yu37Wm4dFU/main 6 === Code Execution Successful ===</pre>

Main.java	Run	Output
<pre>1 class Employee { 2 void work() { 3 System.out.println("Employee is working"); 4 } 5 double getSalary() { 6 return 50000; 7 } 8 } 9 class HRManager extends Employee { 10 void work() { 11 System.out.println("HR Manager is working"); 12 } 13 void addEmployee() { 14 System.out.println("HR Manager is adding a new employee"); 15 } 16 } 17 public class Main { 18 public static void main(String[] args) { 19 Employee emp = new Employee(); 20 emp.work(); 21 System.out.println("Employee salary: " + emp.getSalary()); 22 23 HRManager hr = new HRManager(); 24 hr.work(); 25 hr.addEmployee(); 26 System.out.println("HR Manager salary: " + hr.getSalary()); 27 } 28 }</pre>		<pre>java -cp /tmp/8gZ6KcZz9g/Main Employee is working Employee salary: 50000.0 HR Manager is working HR Manager is adding a new employee HR Manager salary: 50000.0 === Code Execution Successful ===</pre>

Main.java	Run	Output
<pre>1 class animal{ 2 public void withdraw(){ 3 System.out.println("withdraw"); 4 } 5 public void deposit(){ 6 System.out.println(" deposit"); 7 } 8 } 9 class savingaccount extends bankaccount{ 10 public void withdraw(int bal,int amount){ 11 if(bal>100){ 12 System.out.println("withdraw amount=" +amount); 13 System.out.println("withdraw "+amount+" successfull"); 14 System.out.println("remainng balance = "+(bal-amount)); 15 } 16 } 17 else{ 18 System.out.println("insufficient balance"); 19 } 20 } 21 } 22 public class main{ 23 public static void main(String[] args){ 24 25 savingaccount c1=new savingaccount(); 26 c1.withdraw(1000,50); 27 } 28 }</pre>		<pre>java -cp /tmp/bkyj0x9tCH/main withdraw amount=50 withdraw 50 successfull remainng balance = 950 === Code Execution Successful ===</pre>

Main.java

Run

```
1- class animal{
2-     public void move(){
3-     }
4-
5- }
6- class cheeta extends animal{
7-     public void move(){
8-         System.out.print("cheetha is moving speed");
9-     }
10- }
11- public class main{
12-     public static void main(String[] args){
13-
14-         cheeta c1=new cheeta();
15-         c1.move();
16-     }
17- }
18- 
```

Output

```
java -cp /tmp/vNB2B6lrq5/main
cheetha is moving speed
=== Code Execution Successful ===
```

Main.java

Run

```
1- class person{
2-     public void getfirstname(){
3-     }
4-     public void getlasstname(){
5-     }
6-
7- }
8- class employe extends person{
9-     public void getfirstname(String n){
10-         System.out.println(n);
11-     }
12-     public void getlasstname(String m){
13-         System.out.println(m);
14-     }
15-     public void getemployeeid(int d){
16-         System.out.println(d);
17-     }
18- }
19- public class main{
20-     public static void main(String[] args){
21-
22-         employe c1=new employe();
23-         c1.getfirstname("sai");
24-         c1.getlasstname("kongara");
25-         c1.getemployeeid(192365025);
26-     }
27- }
28- 
```

Output

```
java -cp /tmp/nSuTZdnCvC/main
sai
kongara
192365025
=== Code Execution Successful ===
```