

```
InitializationBlock.java
1
2 public class InitializationBlock {
3
4 {
5     System.out.println("Instance block 1");
6 }
7
8 static {
9     System.out.println("Static block 1");
10 }
11
12 {
13     System.out.println("Instance block 2");
14 }
15
16 static {
17     System.out.println("Static block 2");
18 }
19
20 public static void main(String[] args) {
21
}
```

called
in SD

Static block 1
Static block 2
Instance block 1
Instance block 2
Instance block 1
Instance block 2

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InitializationBlock.java

```
1 public class InitializationBlock {
2
3
4 {
5     System.out.println("Instance block");
6 }
7
8 static {
9     System.out.println("Static block");
10 }
11
12 public static void main(String[] args) {
13
14     InitializationBlock a = new InitializationBlock();
15     InitializationBlock b = new InitializationBlock();
16 }
17 }
18
19
20
```

called only
one time
at class loader
+ 2 time

Static block
Instance block
Instance block

Problems Javadoc Declaration Console Debug Expressions Call Hierarchy

<terminated> InitializationBlock [Java Application] C:\Program Files\Java\jre1.8.0_181\bin\javaw.exe (21-Apr-2019, 1:42:21 pm)

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InitializationBlock.java

```
1
2 public class InitializationBlock {
3
4     {
5         System.out.println("Instance block");
6     }
7
8     static {
9         System.out.println("Static block");
10    }
11
12    public static void main(String[] args) {
13
14        InitializationBlock a = new InitializationBlock();
15
16    }
17
18 }
19
```

then class is initialized

Static block
Instance block

<terminated> InitializationBlock [Java Application] C:\Program Files\Java\jre1.8.0_181\bin\javaw.exe (21-Apr-2019, 1:41:55 pm)

```
InitializationBlock.java
1
2 public class InitializationBlock {
3
4     {
5         System.out.println("Instance block");
6     }
7
8     static {
9         System.out.println("Static block");
10    }
11
12    public static void main(String[] args) {
13
14        //InitializationBlock a = new InitializationBlock();
15
16    }
17
18 }
19
```

when class is loaded

Static block

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Demo.java — Codes

Demo.java xClass.class

Demo.java > Demo > main(String[])

21System.out.println(x: "in static block");

22}

23

24public void show()

25{

26System.out.println(brand + " : " + price + " : " + name);

27}

28

29}

30

31public class Demo

32{

33public static void main(String a[]) throws ClassNotFoundException

34{

35

36Class.forName(className: "Mobile");

37

38// Mobile obj1 = new Mobile();

39// obj1.brand = "Apple";

40// obj1.price = 1500;

41// Mobile.name = "SmartPhone";

42

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in static block

in constructor

in constructor

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in static block

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Demo.java — Codes

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Uo

Demo.java 1 X

Demo.java > Mobile

18price = 200;

19System.out.println(x: "in constructor");

20}

21}

22public void show()

23{

24System.out.println(brand + " : " + price + " : " + name);

25}

26}

27}

28}

29public class Demo

30{

31public static void main(String a[])

32{

33Mobile obj1 = new Mobile();

34obj1.brand = "Apple";

35obj1.price = 1500;

36Mobile.name = "SmartPhone";

37}

38Mobile obj2 = new Mobile();

39}

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in static block

in constructor

in constructor

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Demo.java — Codes

TELUSKO

Demo.java 1 X

Demo.java > Mobile > Mobile()

```
3 class Mobile
4 {
5     String brand;
6     int price;
7     static String name;
8
9     static
10    {
11        name = "Phone";
12        System.out.println(x: "in static block");
13    }
14
15    public Mobile()
16    {
17        brand = "";
18        price = 200;
19        System.out.println(x: "in constructor");
20    }
21
22    public void show()
23    {
24        System.out.println(brand + " : " + price + " : " + name);
25    }
26
```

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```
navin@iMac Codes % javac Demo.java
navin@iMac Codes % java Demo
Apple : 1500 : SmartPhone
Samsung : 1700 : SmartPhone
navin@iMac Codes % javac Demo.java
navin@iMac Codes % java Demo
Apple : 1500 : Phone
Samsung : 1700 : Phone
navin@iMac Codes % clear
```

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