when class Object is Created instance block will be excuted , Constructor ke pahle run hoga

**class A**

**{**

// instance block

{

System.out.println("Instance block");

}

A()

{

System.out.println("A Constructor");

}

**}**

**class Q01\_Instance\_Block**

**{**

public static void main(String args[])

{

A a1 = new A();

}

**}**

Output :-

**Instance block**

**A Constructor**

**class A**

**{**

// instance block

{

System.out.println("Instance block");

}

A()

{

System.out.println("A Constructor");

}

**}**

**class Q02\_Instance\_Block**

**{**

public static void main(String args[])

{

A a1 = new A();

A a2 = new A();

}

**}**

Output :-

**Instance block**

**A Constructor**

**Instance block**

**A Constructor**

**class A**

**{**

// instance block

{

System.out.println("Instance block");

}

A()

{

System.out.println("A Constructor");

}

A(int x)

{

System.out.println("A Constructor With Parameter");

}

**}**

**class Q03\_Instance\_Block**

**{**

public static void main(String args[])

{

A a1 = new A();

A a2 = new A(10);

}

**}**

Output :-

**Instance block**

**A Constructor**

**Instance block**

**A Constructor With Parameter**

Ek class me ek se jyade instance block bana ke ready kar sakte he.

**class A**

**{**

// instance block - 1

{ System.out.println("Instance block - 1"); }

// instance block - 2

{ System.out.println("Instance block - 2"); }

A()

{

System.out.println("A Constructor");

}

A(int x)

{

System.out.println("A Constructor With Parameter");

}

**}**

**class Q04\_Instance\_Block**

**{**

public static void main(String args[])

{

A a1 = new A();

A a2 = new A(10);

}

**}**

Output :-

**Instance block - 1**

**Instance block - 2**

**A Constructor**

**Instance block - 1**

**Instance block - 2**

**A Constructor With Parameter**

**class A**

**{**

// instance block

{ System.out.println("Instance block - 1"); }

static void show()

{

System.out.println("A Show Method");

}

**}**

**class Q05\_Instance\_Block**

**{**

{

System.out.println("Instance block - 1");

}

public static void main(String args[])

{

A.show();

}

**}**

Output :-

**A Show Method**

// static block execute when is Class Loadind

**class A**

**{**

// instance block

{

System.out.println("Instance block - 1");

}

static void show()

{

System.out.println("A Show Method");

}

**}**

**class Q06\_Static\_Block**

**{**

static

{

System.out.println("Main Method Static Block");

}

public static void main(String args[])

{

A.show();

}

**}**

Output :-

**Main Method Static Block**

**A Show Method**

**class A**

**{**

// instance block

{

System.out.println("Instance block - 1");

}

static

{

System.out.println("Class A Static Block");

}

static void show()

{

System.out.println("A Show Method");

}

**}**

**class Q07\_Static\_Block**

**{**

static

{

System.out.println("Main Method Static Block");

}

public static void main(String args[])

{

A.show();

}

**}**

Output :-

**Main Method Static Block**

**Class A Static Block**

**A Show Method**

**class A**

**{**

// instance block

{

System.out.println("Instance block - 1");

}

static

{

System.out.println("Class A Static Block");

}

static void show()

{

System.out.println("A Show Method");

}

**}**

**class Q08\_Static\_Block**

**{**

static

{

System.out.println("Main Method Static Block");

}

public static void main(String args[])

{

A.show();

}

**}**

Output :-

**Main Method Static Block**

**class A**

**{**

// instance block

{

System.out.println("Instance block - 1");

}

static

{

System.out.println("Class A Static Block");

}

static void show()

{

System.out.println("A Show Method");

}

**}**

**class Q09\_Static\_Block**

**{**

static

{

System.out.println("Main Method Static Block");

}

public static void main(String args[])

{

A a = new A();

a.show();

}

**}**

Output :-

**Main Method Static Block**

**Class A Static Block**

**Instance block - 1**

**A Show Method**

**class A**

**{**

// instance block

{

System.out.println("Instance block - 1");

}

static

{

System.out.println("Class A Static Block");

}

A()

{

System.out.println("Class A Constructor");

}

static void show()

{

System.out.println("A Show Method");

}

**}**

**class Q10\_Static\_Block**

**{**

static

{

System.out.println("Main Method Static Block");

}

public static void main(String args[])

{

A a = new A();

a.show();

}

**}**

Output :-

**Main Method Static Block**

**Class A Static Block**

**Instance block - 1**

**Class A Constructor**

**A Show Method**

**class A**

**{**

// instance block

{

System.out.println("Instance block - 1");

}

{

System.out.println("Instance block - 2");

}

static

{

System.out.println("Class A Static Block - 1");

}

static

{

System.out.println("Class A Static Block - 2");

}

A()

{

System.out.println("Class A Constructor");

}

static void show()

{

System.out.println("A Show Method");

}

**}**

**class Q13\_Static\_Block**

**{**

static

{

System.out.println("Main Method Static Block - 1");

}

static

{

System.out.println("Main Method Static Block - 2");

}

public static void main(String args[])

{

A a = new A();

a.show();

}

**}**

Output :-

**Main Method Static Block - 1**

**Main Method Static Block - 2**

**Class A Static Block - 1**

**Class A Static Block - 2**

**Instance block - 1**

**Instance block - 2**

**Class A Constructor**

**A Show Method**

**class A**

**{**

// instance block

{

System.out.println("Instance block - 1");

}

{

System.out.println("Instance block - 2");

}

static

{

System.out.println("Class A Static Block - 1");

}

static

{

System.out.println("Class A Static Block - 2");

}

A()

{

System.out.println("Class A Constructor");

}

static void show()

{

System.out.println("A Show Method");

}

**}**

**class Q14\_Static\_Block**

**{**

static

{

System.out.println("Main Method Static Block - 1");

}

static

{

System.out.println("Main Method Static Block - 2");

}

public static void main(String args[])

{

A a1 = new A();

a1.show();

A a2 = new A();

a2.show();

}

**}**

Output :-

**Main Method Static Block - 1**

**Main Method Static Block - 2**

**Class A Static Block - 1**

**Class A Static Block - 2**

**Instance block - 1**

**Instance block - 2**

**Class A Constructor**

**A Show Method**

**Instance block - 1**

**Instance block - 2**

**Class A Constructor**

**A Show Method**

**class A**

**{**

{

System.out.println("A Instance Block");

}

A()

{

System.out.println("A Constructor");

}

**}**

**class B extends A**

**{**

{

System.out.println("B Instance Block");

}

B()

{

System.out.println("B Constructor");

}

**}**

**class C extends B**

**{**

{

System.out.println("C Instance Block");

}

C()

{

System.out.println("C Constructor");

}

**}**

**class Q15\_Instance\_Block\_And\_Constructor**

**{**

public static void main(String args[])

{

C c = new C();

}

**}**

Output :-

**A Instance Block**

**A Constructor**

**B Instance Block**

**B Constructor**

**C Instance Block**

**C Constructor**

**class A**

**{**

{

System.out.println("A Instance Block");

}

static

{

System.out.println("A Static Block");

}

A()

{

System.out.println("A Constructor");

}

**}**

**class B extends A**

**{**

{

System.out.println("B Instance Block");

}

static

{

System.out.println("B Static Block");

}

B()

{

System.out.println("B Constructor");

}

**}**

**class C extends B**

**{**

{

System.out.println("C Instance Block");

}

static

{

System.out.println("C Static Block");

}

C()

{

System.out.println("C Constructor");

}

**}**

**class Q16\_Instance\_Static\_Block\_And\_Constructor**

**{**

public static void main(String args[])

{

C c = new C();

}

**}**

Output :-

**A Static Block**

**B Static Block**

**C Static Block**

**A Instance Block**

**A Constructor**

**B Instance Block**

**B Constructor**

**C Instance Block**

**C Constructor**

**class Q17\_Static\_Import**

**{**

public static void main(String args[])

{

out.println("Vishal Soner");

}

**}**

Output :-

**Q17\_Static\_Import.java:5: error: cannot find symbol**

**out.println("Vishal Soner");**

**^**

import static java.lang.System.\*;

**class Q18\_Static\_Import**

**{**

public static void main(String args[])

{

out.println("Static Import");

}

**}**

Output :- **Static Import**

import static java.lang.System.\*;

import static java.lang.Integer.\*;

**class Q19\_Static\_Import**

**{**

public static void main(String args[])

{

int x1 = Integer.parseInt(args[0]);

int y1 = Integer.parseInt(args[1]);

out.println("Sum : " + (x1+y1) );

int x2 = parseInt(args[0]);

int y2 = parseInt(args[1]);

out.println("Sum : " + (x2+y2) );

out.println(Integer.MAX\_VALUE);

out.println(MAX\_VALUE);

}

**}**

/\*

Output :-

**Sum : 30**

**Sum : 30**

**2147483647**

**2147483647**

import static java.lang.System.\*;

**class Q20\_Static\_Import**

**{**

public static void main(String args[])

{

out.println(MAX\_VALUE);

}

**}**

Output :-

**Q20\_Static\_Import.java:7: error: cannot find symbol**

**out.println(MAX\_VALUE);**

**^**

**symbol: variable MAX\_VALUE**

import static java.lang.System.\*;

import static java.lang.Integer.\*;

import static java.lang.Byte.\*;

**class Q21\_Static\_Import**

**{**

public static void main(String args[])

{

out.println(MAX\_VALUE);

}

}

/\*

Output :-

**Q21\_Static\_Import.java:9: error: reference to MAX\_VALUE is ambiguous**

**out.println(MAX\_VALUE);**

------------------------------------------------

\*/