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| <b>SR.NO</b> | <b>Project NAME</b>   | <b>Technology</b>      |
| 1            | Online E-Learning Platform Hub  | React+Springboot+MySql |
| 2            | PG Mates / RoomSharing / Flat Mates   | React+Springboot+MySql |
| 3            | Tour and Travel management System   | React+Springboot+MySql |
| 4            | Election commition of India (online Voting System)                                | React+Springboot+MySql |
| 5            | HomeRental Booking System   | React+Springboot+MySql |
| 6            | Event Management System   | React+Springboot+MySql |
| 7            | Hotel Management System   | React+Springboot+MySql |
| 8            | Agriculture web Project   | React+Springboot+MySql |
| 9            | AirLine Reservation System / Flight booking System                                | React+Springboot+MySql |
| 10           | E-commerce web Project  | React+Springboot+MySql |
| 11           | Hospital Management System  | React+Springboot+MySql |
| 12           | E-RTO Driving licence portal  | React+Springboot+MySql |
| 13           | Transpotation Services portal   | React+Springboot+MySql |
| 14           | Courier Services Portal / Courier Management System                               | React+Springboot+MySql |
| 15           | Online Food Delivery Portal   | React+Springboot+MySql |
| 16           | Muncipal Corporation Management   | React+Springboot+MySql |
| 17           | Gym Management System   | React+Springboot+MySql |
| 18           | Bike/Car ental System Portal  | React+Springboot+MySql |
| 19           | CharityDonation web project   | React+Springboot+MySql |
| 20           | Movie Booking System  | React+Springboot+MySql |

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| 21   | Job Portal web project              | React+Springboot+MySql        |
| 22   | LIC Insurance Portal                | React+Springboot+MySql        |
| 23   | Employee Management System          | React+Springboot+MySql        |
| 24   | Payroll Management System           | React+Springboot+MySql        |
| 25   | RealEstate Property Project         | React+Springboot+MySql        |
| 26   | Marriage Hall Booking Project       | React+Springboot+MySql        |
| 27   | Online Student Management portal    | React+Springboot+MySql        |
| 28   | Resturant management System         | React+Springboot+MySql        |
| 29   | Solar Management Project            | React+Springboot+MySql        |
| 30   | OneStepService LinkLabourContractor | React+Springboot+MySql        |
| 31   | Vehical Service Center Portal       | React+Springboot+MySql        |
| 32   | E-wallet Banking Project            | React+Springboot+MySql        |
| 33   | Blogg Application Project           | React+Springboot+MySql        |
| 34   | Car Parking booking Project         | React+Springboot+MySql        |
| 35   | OLA Cab Booking Portal              | React+NextJs+Springboot+MySql |
| 36   | Society management Portal           | React+Springboot+MySql        |
| 37   | E-College Portal                    | React+Springboot+MySql        |
| 38   | FoodWaste Management Donate System  | React+Springboot+MySql        |
| 39   | Sports Ground Booking               | React+Springboot+MySql        |
| 40   | BloodBank mangement System          | React+Springboot+MySql        |



|    |  |                        |
|----|--|------------------------|
| 41 | Bus Tickit Booking Project                     | React+Springboot+MySql |
| 42 | Fruite Delivery Project                        | React+Springboot+MySql |
| 43 | Woodworks Bed Shop                             | React+Springboot+MySql |
| 44 | Online Dairy Product sell Project              | React+Springboot+MySql |
| 45 | Online E-Pharma medicine sell Project          | React+Springboot+MySql |
| 46 | FarmerMarketplace Web Project                  | React+Springboot+MySql |
| 47 | Online Cloth Store Project                     | React+Springboot+MySql |
| 48 | Train Ticket Booking Project                   | React+Springboot+MySql |
| 49 | Quizz Application Project                      | JSP+Springboot+MySql   |
| 50 | Hotel Room Booking Project                     | React+Springboot+MySql |
| 51 | Online Crime Reporting Portal Project          | React+Springboot+MySql |
| 52 | Online Child Adoption Portal Project           | React+Springboot+MySql |
| 53 | online Pizza Delivery System Project           | React+Springboot+MySql |
| 54 | Online Social Complaint Portal Project         | React+Springboot+MySql |
| 55 | Electric Vehical management system Project     | React+Springboot+MySql |
| 56 | Online mess / Tiffin management System Project | React+Springboot+MySql |
| 57 |  | React+Springboot+MySql |
| 58 |  | React+Springboot+MySql |
| 59 |  | React+Springboot+MySql |
| 60 |  | React+Springboot+MySql |

## Spring Boot + React JS + MySQL Project List

| Sr.No | Project Name                               | YouTube Link  |
|-------|--|---|
| 1     | Online E-Learning Hub Platform Project     | <a href="https://youtu.be/KMjyBaWmgzg?si=YckHuNzs7eC84-IW">https://youtu.be/KMjyBaWmgzg?si=YckHuNzs7eC84-IW</a> |
| 2     | PG Mate / Room sharing/Flat sharing        | <a href="https://youtu.be/4P9clHg3wvk?si=4uEsi0962CG6Xodp">https://youtu.be/4P9clHg3wvk?si=4uEsi0962CG6Xodp</a> |
| 3     | Tour and Travel System Project Version 1.0 | <a href="https://youtu.be/-UHOBywHaP8?si=KHHfE_A0uv725f12">https://youtu.be/-UHOBywHaP8?si=KHHfE_A0uv725f12</a> |
| 4     | Marriage Hall Booking                      | <a href="https://youtu.be/VXz0kZQi5to?si=ILOS-QG3TpAFP5k7">https://youtu.be/VXz0kZQi5to?si=ILOS-QG3TpAFP5k7</a> |
| 5     | Ecommerce Shopping project                 | <a href="https://youtu.be/vJ_C6LkhrZ0?si=YhcBylSErvdn7paq">https://youtu.be/vJ_C6LkhrZ0?si=YhcBylSErvdn7paq</a> |
| 6     | Bike Rental System Project                 | <a href="https://youtu.be/FlzsAmIBCbk?si=7ujQTJqEgkQ8ju2H">https://youtu.be/FlzsAmIBCbk?si=7ujQTJqEgkQ8ju2H</a> |
| 7     | Multi-Restaurant management system         | <a href="https://youtu.be/pvV-pM2Jf3s?si=PgvnT-yFc8ktrDxB">https://youtu.be/pvV-pM2Jf3s?si=PgvnT-yFc8ktrDxB</a> |
| 8     | Hospital management system Project         | <a href="https://youtu.be/lynlouBZvY4?si=CXzQs3BsRkjKhZCw">https://youtu.be/lynlouBZvY4?si=CXzQs3BsRkjKhZCw</a> |
| 9     | Municipal Corporation system Project       | <a href="https://youtu.be/cVMx9NVyl4I?si=qX0oQt-GT-LR_5jF">https://youtu.be/cVMx9NVyl4I?si=qX0oQt-GT-LR_5jF</a> |
| 10    | Tour and Travel System Project version 2.0 | <a href="https://youtu.be/_4u0mB9mHXE?si=gDiAhKBowi2gNUKZ">https://youtu.be/_4u0mB9mHXE?si=gDiAhKBowi2gNUKZ</a> |

| Sr.No | Project Name                               | YouTube Link  |
|-------|--|---|
| 11    | Tour and Travel System Project version 3.0 | <a href="https://youtu.be/Dm7nOdpasWg?si=P_Lh2gcOFhlyudug">https://youtu.be/Dm7nOdpasWg?si=P_Lh2gcOFhlyudug</a> |
| 12    | Gym Management system Project              | <a href="https://youtu.be/J8_7Zrkg7ag?si=LcxV51ynfUB7OptX">https://youtu.be/J8_7Zrkg7ag?si=LcxV51ynfUB7OptX</a> |
| 13    | Online Driving License system Project      | <a href="https://youtu.be/3yRzsMs8TLE?si=JRI_z4FDx4Gmt7fn">https://youtu.be/3yRzsMs8TLE?si=JRI_z4FDx4Gmt7fn</a> |
| 14    | Online Flight Booking system Project       | <a href="https://youtu.be/m755rOwdk8U?si=HURvAY2VnizlyJlh">https://youtu.be/m755rOwdk8U?si=HURvAY2VnizlyJlh</a> |
| 15    | Employee management system project         | <a href="https://youtu.be/ID1iE3W_GRw?si=Y_jv1xV_BljhrD0H">https://youtu.be/ID1iE3W_GRw?si=Y_jv1xV_BljhrD0H</a> |
| 16    | Online student school or college portal    | <a href="https://youtu.be/4A25aEKfei0?si=RoVgZtxMk9TPdQvD">https://youtu.be/4A25aEKfei0?si=RoVgZtxMk9TPdQvD</a> |
| 17    | Online movie booking system project        | <a href="https://youtu.be/Lfjv_U74SC4?si=fiDvrhhrjb4KSIsm">https://youtu.be/Lfjv_U74SC4?si=fiDvrhhrjb4KSIsm</a> |
| 18    | Online Pizza Delivery system project       | <a href="https://youtu.be/Tp3izreZ458?si=8eWAOzA8SVdNwlyM">https://youtu.be/Tp3izreZ458?si=8eWAOzA8SVdNwlyM</a> |
| 19    | Online Crime Reporting system Project      | <a href="https://youtu.be/0UlzReSk9tQ?si=6vN0e70TVY1GOwPO">https://youtu.be/0UlzReSk9tQ?si=6vN0e70TVY1GOwPO</a> |
| 20    | Online Children Adoption Project           | <a href="https://youtu.be/3T5HC2HKyT4?si=bntP78niYH802I7N">https://youtu.be/3T5HC2HKyT4?si=bntP78niYH802I7N</a> |

1) What will be the output of the following program?

```
1 public class JavaThreadsQuiz
2 {
3     public static void main(String[] args)
4     {
5         String name = Thread.currentThread().getName();
6
7         System.out.println(name);
8     }
9 }
```

View Answer

main

2) What will be the output of the following program?

```
1 public class JavaThreadsQuiz
2 {
3     public static void main(String[] args)
4     {
5         System.out.println(Thread.MAX_PRIORITY);
6         System.out.println(Thread.NORM_PRIORITY);
7         System.out.println(Thread.MIN_PRIORITY);
8     }
9 }
```

View Answer

10  
5  
1

3) What will be the output of the following program?

```
1 public class JavaThreadsQuiz
2 {
3     public static void main(String[] args)
4     {
5         System.out.println(Thread.currentThread().getPriority());
6     }
7 }
```

View Answer

4) What will be the outcome of the following program?

```
1 public class JavaThreadsQuiz
2 {
3     public static void main(String[] args)
4     {
5         Thread thread = new Thread();
6
7         thread.start();
8
9         thread.start();
10    }
11 }
```

#### View Answer

It will throw `java.lang.IllegalThreadStateException`. Because, we can't start a thread twice.

5) We can change the name of a main thread. True OR False?

#### View Answer

True

6) What will be the output of the following program?

```
1 public class JavaThreadsQuiz
2 {
3     public static void main(String[] args)
4     {
5         Thread thread = Thread.currentThread();
6
7         System.out.println(thread.isDaemon());
8     }
9 }
```

#### View Answer

false

7) What will be the outcome of the following program?

```
1 public class JavaThreadsQuiz
2 {
3     public static void main(String[] args)
4     {
5         Thread thread = new Thread();
6
7         thread.start();
8
9         thread.setDaemon(true);
10    }
11 }
```

#### View Answer

`java.lang.IllegalThreadStateException` will be thrown. Because, we can't change the daemon status of a thread after starting a thread.

8) What will be the output of the following program?

```
1  class MyThread extends Thread
2  {
3      public MyThread(String name)
4      {
5          super(name);
6      }
7
8      @Override
9      public void run()
10     {
11         System.out.println(getName());
12     }
13 }
14
15 public class JavaThreadsQuiz
16 {
17     public static void main(String[] args)
18     {
19         MyThread thread = new MyThread("My_Thread_1.0");
20
21         thread.start();
22
23         try
24         {
25             Thread.sleep(1000);
26         }
27         catch (InterruptedException e)
28         {
29             e.printStackTrace();
30         }
31
32         thread.setName("My_Thread_2.0");
33     }
34 }
```

View Answer

My\_Thread\_1.0

9) In what state deadlocked threads will be?

View Answer

BLOCKED

10) What will be the output of the following program?

```
1  public class JavaThreadsQuiz
2  {
3      public static void main(String[] args)
4      {
5          Thread thread = new Thread();
6
7          thread.start();
8
9          System.out.println(Thread.currentThread().getPriority());
10
11         System.out.println(thread.getPriority());
12     }
13 }
```

View Answer

5  
5



11) Two threads can have same name. True OR False?

View Answer

True

12) What will be the output of the following program?

```
1 public class JavaThreadsQuiz
2 {
3     public static void main(String[] args)
4     {
5         Thread thread1 = new Thread();
6
7         thread1.start();
8
9         Thread.currentThread().setPriority(8);
10
11        Thread thread2 = new Thread();
12
13        thread2.start();
14
15        System.out.println(thread1.getPriority());
16
17        System.out.println(thread2.getPriority());
18    }
19 }
```

View Answer

5  
8

13) What will be the outcome of the following program?

```
1 public class JavaThreadsQuiz
2 {
3     public static void main(String[] args)
4     {
5         Thread thread = new Thread();
6
7         thread.setPriority(12);
8
9         thread.start();
10    }
11 }
```

View Answer

java.lang.IllegalArgumentException will be thrown. Because, priority must be between MIN\_PRIORITY (1) and MAX\_PRIORITY (10).

14) Thread releases the synchronized locks it has held before going for sleep. True OR False?

View Answer

False. When a thread is going for sleep, it does not release the synchronized locks it has held.

15) In the following example, which thread is going to sleep – myThread or main thread?



```
1 public class JavaThreadsQuiz
2 {
3     public static void main(String[] args)
4     {
5         Thread myThread = new Thread();
6
7         myThread.start();
8
9         try
10        {
11            myThread.sleep(5000);
12        }
13        catch (InterruptedException e)
14        {
15            e.printStackTrace();
16        }
17    }
18 }
```

**View Answer**

It is the main thread which is going to sleep not myThread. Because, when you call sleep() method, it is currently executing thread which is going to sleep, not on which you have called it.

16) Thread ID can be used to differentiate two threads having same name. True Or False?

**View Answer**

True

17) What will be the output of the following program?

```
1 public class JavaThreadsQuiz
2 {
3     public static void main(String[] args)
4     {
5         Thread t3 = new Thread()
6         {
7             @Override
8             public void run()
9             {
10                System.out.println(3);
11            }
12        };
13
14        Thread t2 = new Thread()
15        {
16            @Override
17            public void run()
18            {
19                try
20                {
21                    t3.join();
22                }
23                catch (InterruptedException e)
24                {
25                    e.printStackTrace();
26                }
27
28                System.out.println(2);
29            }
30        };
31    }
```

```

32     Thread t1 = new Thread()
33     {
34         @Override
35         public void run()
36         {
37             try
38             {
39                 t2.join();
40             }
41             catch (InterruptedException e)
42             {
43                 e.printStackTrace();
44             }
45
46             System.out.println(1);
47         }
48     };
49
50     t1.start();
51
52     t2.start();
53
54     t3.start();
55 }
56 }

```

**View Answer**

3  
2  
1

18) join() and sleep(), both throw InterruptedException. True OR False?

**View Answer**

True

19) What is wrong with the following code? Why it is showing compilation error?

```

1  class AnyClass
2  {
3      synchronized public AnyClass()
4      {
5          System.out.println("Synchronized Constructor");
6      }
7  }

```

**View Answer**

Because, constructors can't be synchronized.

20) Can we run synchronized static methods and synchronized non-static methods at the same time?

**View Answer**

Yes. We can run synchronized static methods and synchronized non-static methods at the same time as they need different locks. Synchronized static methods need class level lock and synchronized non-static methods need object level lock.

21) Will the following code compile without errors?

```

1  class AnyClass
2  {
3      public AnyClass()
4      {
5          synchronized (this)

```

```
6 | {
7 |   System.out.println("Synchronized Block");
8 | }
9 | }
10| }
```

**View Answer**

Yes.

# Java Threads Quiz

22) Will the following code compile without errors?

```
1 | class AnyClass
2 | {
3 |     static
4 |     {
5 |         synchronized (this)
6 |         {
7 |             System.out.println("Synchronized Block");
8 |         }
9 |     }
10| }
```

**View Answer**

No. We can't use this in a static context instead use class level lock i.e AnyClass.class

23) What will be the output of the following program?

```
1 | class AnyClass
2 | {
3 |     String s ="1";
4 |
5 |     synchronized void anyMethod()
6 |     {
7 |         s = s + s;
8 |     }
9 | }
10|
11| public class JavaThreadsQuiz
12| {
13|     public static void main(String[] args)
```



```

14 {
15     AnyClass anyClass = new AnyClass();
16
17     new Thread()
18     {
19         @Override
20         public void run()
21         {
22             anyClass.anyMethod();
23         }
24     }.start();
25
26     new Thread()
27     {
28         @Override
29         public void run()
30         {
31             anyClass.anyMethod();
32         }
33     }.start();
34
35     try
36     {
37         Thread.sleep(5000);
38     }
39     catch (InterruptedException e)
40     {
41         e.printStackTrace();
42     }
43
44     System.out.println(anyClass.s);
45 }
46 }

```

**View Answer**

1111

**24) wait(), notify() and notifyAll() are the final methods of java.lang.Thread class. True OR False?**

**View Answer**

False. wait(), notify() and notifyAll() are the final methods of java.lang.Object class.

**25) Any thread which calls wait() or notify() or notifyAll() must have lock of that object. Yes OR No?**

**View Answer**

Yes.

**26) What will be the output of the following program?**

```

1  class AnyClass
2  {
3      void anyMethod()
4      {
5          try
6          {
7              wait();
8          }
9          catch (InterruptedException e)
10         {
11             e.printStackTrace();
12         }
13     }
14 }
15
16 public class JavaThreadsQuiz
17 {

```

```

18     public static void main(String[] args)
19     {
20         AnyClass anyClass = new AnyClass();
21
22         new Thread()
23         {
24             @Override
25             public void run()
26             {
27                 anyClass.anyMethod();
28             }
29         }.start();
30     }
31 }

```

### View Answer

java.lang.IllegalMonitorStateException will be thrown. Because, wait() method must be called within synchronized block or method i.e. any thread calling wait() method must have lock of that object.

27) Does the thread release the lock after calling wait() method?

### View Answer

Yes.

28) What will be the output of the following program?

```

1  class AnyClass
2  {
3      synchronized void methodOne()
4      {
5          try
6          {
7              wait();
8          }
9          catch (InterruptedException e)
10         {
11             e.printStackTrace();
12         }
13
14         System.out.println(Thread.currentThread().getName());
15     }
16
17     synchronized void methodTwo()
18     {
19         notifyAll();
20     }
21 }
22
23 public class JavaThreadsQuiz
24 {
25     public static void main(String[] args)
26     {
27         AnyClass anyClass = new AnyClass();
28
29         Thread t1 = new Thread("Thread_1")
30         {
31             @Override
32             public void run()
33             {
34                 anyClass.methodOne();
35             }
36         };
37         t1.setPriority(Thread.MIN_PRIORITY);
38         t1.start();
39
40         try
41         {
42             Thread.sleep(1000);
43         }

```

```

44     catch (InterruptedException e)
45     {
46         e.printStackTrace();
47     }
48
49     Thread t2 = new Thread("Thread_2")
50     {
51         @Override
52         public void run()
53         {
54             anyClass.methodOne();
55         }
56     };
57     t2.setPriority(Thread.MAX_PRIORITY);
58     t2.start();
59
60     try
61     {
62         Thread.sleep(1000);
63     }
64     catch (InterruptedException e)
65     {
66         e.printStackTrace();
67     }
68
69     Thread t3 = new Thread("Thread_3")
70     {
71         @Override
72         public void run()
73         {
74             anyClass.methodTwo();
75         }
76     };
77     t3.start();
78 }
79 }

```

#### View Answer

Thread\_2  
Thread\_1

29) wait() method is always called on objects and sleep() method is always called on threads. Is this statement Right OR Wrong?

#### View Answer

Right

30) wait() and sleep() both throw InterruptedException. True OR False?

#### View Answer

True

31) Which method do you use to interrupt a sleeping/waiting thread?

#### View Answer

interrupt()

32) In what state a thread will be when a thread is created but not started?

#### View Answer

NEW

33) What will be the output of the following program?

```
1 public class JavaThreadsQuiz
2 {
3     public static void main(String[] args)
4     {
5         Thread thread = new Thread()
6         {
7             @Override
8             public void run()
9             {
10                 try
11                 {
12                     Thread.sleep(5000);
13                 }
14                 catch (InterruptedException e)
15                 {
16                     e.printStackTrace();
17                 }
18             }
19         };
20         thread.start();
21
22         try
23         {
24             Thread.sleep(2000);
25         } catch (InterruptedException e)
26         {
27             e.printStackTrace();
28         }
29
30         System.out.println(thread.getState());
31     }
32 }
33 }
```

View Answer

TIMED\_WAITING

34) What will be the output of the following program?

```
1 public class JavaThreadsQuiz
2 {
3     public static void main(String[] args)
4     {
5         Thread thread = new Thread()
6         {
7             @Override
8             public void run()
9             {
10                 try
11                 {
12                     Thread.sleep(5000);
13                 }
14                 catch (InterruptedException e)
15                 {
16                     System.out.println("I am interrupted");
17                 }
18             }
19         };
20         thread.start();
21
22         try
23         {
24             Thread.sleep(2000);
25         } catch (InterruptedException e)
26         {
27             e.printStackTrace();
28         }
29
30 }
```



```
31     thread.interrupt();
32 }
33 }
```

### View Answer

I am interrupted

35) What will be the output of the following program?

```
1  public class JavaThreadsQuiz
2  {
3      public static void main(String[] args)
4      {
5          Thread thread = new Thread()
6          {
7              @Override
8              public void run()
9              {
10                 System.out.println(isInterrupted());
11
12                 try
13                 {
14                     Thread.sleep(5000);
15                 }
16                 catch (InterruptedException e)
17                 {
18                     System.out.println("I am interrupted");
19                 }
20
21                 System.out.println(isInterrupted());
22             }
23         };
24
25         thread.start();
26
27         try
28         {
29             Thread.sleep(1000);
30         } catch (InterruptedException e)
31         {
32             e.printStackTrace();
33         }
34
35         thread.interrupt();
36     }
37 }
```

### View Answer

false  
I am interrupted  
false

36) What will be the output of the following program?

```
1  public class JavaThreadsQuiz
2  {
3      public static void main(String[] args)
4      {
5          Thread thread = new Thread()
6          {
7              @Override
8              public void run()
9              {
10                 System.out.println(isInterrupted());
11
12                 interrupt();
13
14                 System.out.println(isInterrupted());
```

```
15     }  
16     };  
17  
18     thread.start();  
19 }  
20 }
```

### View Answer

false  
true

37) What will be the output of the following program?

```
1  public class JavaThreadsQuiz  
2  {  
3      public static void main(String[] args)  
4      {  
5          Thread thread = new Thread()  
6          {  
7              @Override  
8              public void run()  
9              {  
10                 System.out.println(getState());  
11             }  
12         };  
13         System.out.println(thread.getState());  
14         thread.start();  
15     }  
16 }  
17  
18 }
```

### View Answer

NEW  
RUNNABLE

38) What will be the output of the following program?

```

1 public class JavaThreadsQuiz
2 {
3     public static void main(String[] args)
4     {
5         Thread thread = new Thread()
6         {
7             @Override
8             public void run()
9             {
10                 for (int i = 1; i <= 10; i++)
11                 {
12                     System.out.println(i);
13                 }
14
15                 try
16                 {
17                     Thread.sleep(1000);
18                 }
19                 catch (InterruptedException e)
20                 {
21                     System.out.println("I am interrupted");
22                 }
23             }
24         };
25
26         thread.start();
27
28         thread.interrupt();
29     }
30 }

```

#### View Answer

```

1
2
3
4
5
6
7
8
9
10
I am interrupted

```

39) What will be the output of the following program?

```

1 public class JavaThreadsQuiz
2 {
3     public static void main(String[] args)
4     {
5         Thread thread = new Thread()
6         {
7             @Override
8             public void run()
9             {
10                 System.out.println(interrupted());
11
12                 interrupt();
13
14                 System.out.println(interrupted());
15
16                 System.out.println(interrupted());
17             }
18         };
19
20         thread.start();
21     }
22 }

```

### View Answer

false  
true  
false

40) What will be the output of the following program?

```
1  class AnyClass
2  {
3      synchronized void anyMethod()
4      {
5          try
6          {
7              wait();
8          }
9          catch (InterruptedException e)
10         {
11             e.printStackTrace();
12         }
13     }
14 }
15
16 public class JavaThreadsQuiz
17 {
18     public static void main(String[] args)
19     {
20         AnyClass anyClass = new AnyClass();
21
22         Thread thread = new Thread()
23         {
24             @Override
25             public void run()
26             {
27                 anyClass.anyMethod();
28             }
29         };
30
31         thread.start();
32
33         try
34         {
35             Thread.sleep(1000);
36         }
37         catch (InterruptedException e)
38         {
39             e.printStackTrace();
40         }
41
42         System.out.println(thread.getState());
43     }
44 }
```

### View Answer

WAITING

41) What will be the output of the following program?

```
1  class AnyClass
2  {
3      synchronized void anyMethod()
4      {
5          try
6          {
7              wait(5000);
8          }
9          catch (InterruptedException e)
10         {
11             e.printStackTrace();
12         }
13     }
14 }
```



```

11         e.printStackTrace();
12     }
13 }
14 }
15
16 public class JavaThreadsQuiz
17 {
18     public static void main(String[] args)
19     {
20         AnyClass anyClass = new AnyClass();
21
22         Thread thread = new Thread()
23         {
24             @Override
25             public void run()
26             {
27                 anyClass.anyMethod();
28             }
29         };
30
31         thread.start();
32
33         try
34         {
35             Thread.sleep(1000);
36         }
37         catch (InterruptedException e)
38         {
39             e.printStackTrace();
40         }
41
42         System.out.println(thread.getState());
43     }
44 }

```

**View Answer**

TIMED\_WAITING

42) What will be the output of the following program?

```

1 public class JavaThreadsQuiz
2 {
3     public static void main(String[] args)
4     {
5         Thread thread = new Thread();
6
7         thread.start();
8
9         try
10        {
11            Thread.sleep(2000);
12        }
13        catch (InterruptedException e)
14        {
15            e.printStackTrace();
16        }
17
18        System.out.println(thread.getState());
19    }
20 }

```

**View Answer**

TERMINATED

43) What will be the output of the following program?

```

1 public class JavaThreadsQuiz
2 {

```

```

3   public static void main(String[] args)
4   {
5       Thread thread = new Thread()
6       {
7           @Override
8           public void run()
9           {
10              System.out.println(getId());
11          }
12      };
13
14      thread.start();
15
16      try
17      {
18          Thread.sleep(2000);
19      }
20      catch (InterruptedException e)
21      {
22          e.printStackTrace();
23      }
24
25      System.out.println(thread.getId());
26  }
27  }

```

**View Answer**

13  
13

44) What will be the output of the following program?

```

1   public class JavaThreadsQuiz
2   {
3       public static void main(String[] args)
4       {
5           Thread thread = new Thread();
6
7           System.out.println(thread.isAlive());
8
9           thread.start();
10      }
11  }

```

**View Answer**

false

45) What will be the output of the following program?

```

1   public class JavaThreadsQuiz
2   {
3       public static void main(String[] args)
4       {
5           Thread thread = new Thread();
6
7           System.out.println(thread.isDaemon());
8
9           thread.start();
10      }
11  }

```

**View Answer**

false

46) What will be the output of the following program?

```
1  class MyThread extends Thread
2  {
3      @Override
4      public void run()
5      {
6          System.out.println(Thread.currentThread().getName());
7      }
8  }
9
10 public class JavaThreadsQuiz
11 {
12     public static void main(String[] args)
13     {
14         MyThread myThread = new MyThread();
15
16         myThread.start();
17
18         myThread.run();
19     }
20 }
```

View Answer

main  
Thread-0

47) What will be the output of the following program?

```
1  class AnyClass
2  {
3      synchronized void anyMethod()
4      {
5          try
6          {
7              Thread.sleep(10000);
8          }
9          catch (InterruptedException e)
10         {
11             e.printStackTrace();
12         }
13     }
14 }
15
16 public class JavaThreadsQuiz
17 {
18     public static void main(String[] args)
19     {
20         AnyClass anyClass = new AnyClass();
21
22         Thread t1 = new Thread()
23         {
24             @Override
25             public void run()
26             {
27                 anyClass.anyMethod();
28             }
29         };
30
31         t1.start();
32
33         Thread t2 = new Thread()
34         {
35             @Override
36             public void run()
37             {
38                 anyClass.anyMethod();
39             }
40         };
41
42         t2.start();
```

```

43
44     try
45     {
46         Thread.sleep(1000);
47     }
48     catch (InterruptedException e)
49     {
50         e.printStackTrace();
51     }
52
53     System.out.println(t1.getState());
54
55     System.out.println(t2.getState());
56 }
57 }

```

### View Answer

TIMED\_WAITING  
BLOCKED

48) What will be the output of the following program?

```

1  class MyRunnable implements Runnable
2  {
3      public void run()
4      {
5          try
6          {
7              Thread.sleep(10000);
8          }
9          catch (InterruptedException e)
10         {
11             e.printStackTrace();
12         }
13     }
14 }
15
16 public class JavaThreadsQuiz
17 {
18     public static void main(String[] args)
19     {
20         MyRunnable runnable = new MyRunnable();
21
22         Thread t1 = new Thread(runnable);
23         t1.start();
24
25         Thread t2 = new Thread(runnable);
26         t2.start();
27
28         System.out.println(t1.getState());
29
30         System.out.println(t2.getState());
31     }
32 }

```

### View Answer

TIMED\_WAITING  
TIMED\_WAITING

49) What will be the output of the following program?

```

1  public class JavaThreadsQuiz
2  {
3      public static void main(String[] args)
4      {
5          ThreadGroup tg = new ThreadGroup("My_Thread_Group");
6
7          Thread t1 = new Thread(tg, "Thread_1");

```



```
8         t1.start();
9
10        Thread t2 = new Thread(tg, "Thread_2");
11
12        System.out.println(tg.activeCount());
13    }
14 }
```

#### View Answer

1

50) What will be the output of the following program?

```
1  public class JavaThreadsQuiz
2  {
3      public static void main(String[] args)
4      {
5          ThreadGroup tg = new ThreadGroup("My_Thread_Group");
6
7          Thread t1 = new Thread(tg, "Thread_1");
8          t1.start();
9
10         Thread t2 = new Thread(tg, "Thread_2");
11         t2.start();
12
13         tg.interrupt();
14
15         System.out.println(t1.isInterrupted());
16
17         System.out.println(t2.isInterrupted());
18     }
19 }
```

#### View Answer

true  
true





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