Output Related Questions (Looping)

1.	What will be the output for the following program?
	
	``java
	public class Test
	{
	    public static void main(String[] args)
	    {
	        int i = 0;
	        for (String s="a"; s.compareTo("aaa") ! =0 ; s = s + "a")
	            System.out.print(s);
	    }
	}
	``

2.	What will be the output for the following program?
	``java
	public class Test
	{
	    public static void main(String[] args)
	    {
	      for (int i = 0; i < 1; System.out.println("HI"))
	        System.out.print("HELLO");
	    }
	}
	``

3.	What will be the output for the following program?
	``java
	public class Test
	{
	    public static void main(String[] args)
	    {
	        int j=0;
	        for (int i = 0; i < 1; j++)
	            System.out.println("HELLO");
	    }
	}
	``

4.	What will be the output for the following program?
	``java
	public class Test
	{
	public static void main(String[] args)
	    {
	        for (int i = 0; true & ++i<2; i++)
	            System.out.print(i);
	    }
	}
	``

5.	What will be the output for the following program?
	``java
	public class Test
	{
	public static void main(String[] args)
	``

```
        {
            boolean b=false;
            for ( int i = 0; b | ++i<2; i++)
         {
                    System.out.print(i);
              b=!b;
         }
        }
 }
```

| 6. | ```
public class Test
        {
    public    static void main (String [] args)
    {
        for (int i = 0, double x=3.0 ;  i < 2 ;  i++)
            System.out.println("HELLO ");
    }
        }
``` |

| 7. | ```
 public class demo
        {
    public static void main(String[] args)
            {
        int i=0;
        for( ;     ;  )
                        {
            if(i>5)
                    break;
            else
                    i=i+2;
            System.out.println(i);
        }
    }
        }
``` |

| 8. | ```
 public class demo
    {
            public static void main(String[] args)
            {
        int a,b;
        for(a=6,b=4;a<=24;a=a+6)
                            {
            if(a % b==0)
                    break;

            System.out.println(a);
        }
        }
``` |

	`}`
| 9. | ```java
class Demo
{
    public static void main(String s[])
    {
        int a, b;
        for(a = 1, b = 4; a < b; a++, b--)
        {
            System.out.println("a = " + a);
            System.out.println("b = " + b);
        }
    }
}
``` |
| 10. | ```java
public class Test1
{
public static void main(String[] args)
    {
        int i=0;
    for(i=100; i<=0; i=i-10)
            {
        System.out.print(i+",");
    }

    }

    }
``` |
| 11. | ```java
public class Test {

    public static void main(String[] args)
        {
            int i = 0;
            for (System.out.println("HI") ;  i < 1 ;  i+
+ )
                System.out.println("HELLO GEEKS");
        }
}
``` |
| 12 | ```java
public class Test
{
    public static void main(String[] args)
        {
            for(int i = 0; i<5; i++)
            {
                System.out.println("Hello");
                break;
            }
        }
}
``` |

| 13 | ```java
public class Test
{
    public static void main(String[] args)
    {
        String s = "friends";
        int x = 0;

        do
        {
            System.out.print(s.charAt(x));
            x++;
        } while (x < 2);
    }
}
``` |
| 14. | ```java
public class Test
{
    public static void main(String[] args)
    {
        while(true)
        {
            System.out.println("cppbuzz");
        }
    }
}
``` |
| 15. | ```java
public class Test
{
    public static void main(String[] args)
    {
        int i;
        for ( i = 5 ; i > 10; i ++ )
            System.out.println( i );

        System.out.println( i * 4 );
    }
}
``` |
| 16. | ```java
public class Test
{
    public static void main(String[] args)
    {
        for(int i = 0; i < 3; i++)
        {
            for(int j = 0; j < i; j++)
            {
                System.out.print(i + " " + j + ",");
            }
        }
``` |

| | ```
            }
    }
``` |
| 17. | ```
public class Test
 {
        public static void main(String[] args)
        {
                int i, s = 0;
                for (int k = 0; k < 5; k++)
                {
                        i = 0;
                       do
                        {
                                i++; s++;
                        }while (i < k);
                 }
                System.out.println(s);
         }
 }
``` |
| 18. | ```
public class Application
 {
        public static void main(String[] args)
        {
                String one = "Hello";
                 String two = "Hello";
                 if(one == two)
                 {
                           System.out.println("one ==
two");
                 }
                else
                 {
                        System.out.println("one != two");
                  }
         }
 }
``` |
| 19. | ```
public class TestWhile
{
            public static void main(String[] args)
              {
                        int i = 1;
                         int j = 20;
                         int k = 31;
                        while (i < j)
                        {
                                k += (i * j);
                                i = i * 2;
                                j--;
                        }
``` |

| | ```
                              System.out.println("i = " + i + " j = "
+ j + " k = " + k);
                          }
  }
``` |
| 20. | ```
class WhileExample
  {
          public static void main(String s[])
          {
                  int n = 5;
                  while( n > 0 )
                  {
                          n--;
                          System.out.println("n = " +
n );
                    }
            }
  }
``` |
| 21. | ```
    How many times 'ITER' will be printed?

  public class C1
  {
          public static void main(String[] args)
          {
                  for(int i = 0; i<5; i++)
                  {
                          System.out.println("ITER");
                          i++;
                  }
          }
  }
``` |
| 22. | ```
    public class C2
      {
              public static void main(String[] args)
              {
                      for(int i = 0; i<5; )
                      {
                              System.out.println("Hello");
                      }
              }
      }
``` |
| 23. | ```
  class C3
  {
      public static void main (String args[])
          {
              for(int i=0; 0; i++)
              {
                      System.out.println("ICP");
              }
          }
``` |

	`}`
| 24. | ```java
public class Test
  {
          public static void main(String[] args)
        {
                        int i;
                for (int i = 0; i < 3; i++);

                        System.out.println(i)
          }
  }
``` |
| 25. | ```java
  public class C5
    {
            public static void main(String[] args)
                {
              while(true)
              {
                            System.out.println("ITER"
);
                  break;
                  }
          }
      }
``` |
| 26. | ```java
public class Output1
{
    public static void main(String[] args)
            {
        for (int i = 0; i < 10; i++)
                                int x = 10;
        System.out.println("x");

    }
}
``` |
| 27. | ```java
public class Output2
{
    public static void main(String[] args)
            {
            int i = 0;
                    for (System.out.println("ITER"); i <
1; i++)
                        System.out.println("SOA");
    }

}
``` |
| 28. | ```java
public class Output3
  {
    public static void main(String[] args)
            {
``` |

| | ```
            for (int i = 0 ;        ;   i++)
                         System.out.println("ICP");
        }


}
``` |
| 29. | ```
public class Output4
{
     public static void main(String[] args)
             {
          for (int i = 0 ;    i < 1   ;
System.out.print("ITER ")     )
                        System.out.println("SOA");
        }
}
``` |
| 30. | ```
public class Output5
  {
     public static void main(String[] args)
             {
          int i = 1,  j = 1;
                             for (        ;        ;      )
                              {
                                 if (i > 5)
                               break;
                                   else
                               j += I ;
                                 System.out.println(j);
                                 i += j;
                              }
        }


}
``` |
| 31. | ```
public class Output5
{
          public static void main(String[] args)
            {
                         int i = 0;
                          while(true)
                           {
                                System.out.println(++i);
                                break;
                           }
            }
}
``` |
| 32. | ```
public class Output5
{
          public static void main(String[] args)
            {
                   int i = 3,  j=5;
``` |

| | ```
                        do
                        {
                                System.out.print(i*j);
                        } while(++i < --j);
                }
}
``` |
| 33. | ```
public class Output5
{
                public static void main(String[] args)
                {
                        char a = 'a';
                        while(++a<=100)
                        {

System.out.print(a);

                        }
                }
}
``` |
| 34. | ```
public class Output5
{
        public static void main(String[] args)
        {
                for(int i=0; false; i++)
                        System.out.println("Hello");
        }
}
``` |
| 35. | Find output of the following pseudocode?

Step 1: Initialize count to 1;
Step 2: While count is less than 10
Step 2.1: Print count;
Step 2.2: count = count + 3;
Step 3: Stop. |
| 36. | ```
public class Alpha
{
    public static void main(String [] args)
    {
            int cnt=0;
            while(true)
             {
                        if(cnt > 4)
                                break;
                        if(cnt==0)
                        {
                                cnt++;
                                continue;
                        }
                        System.out.print(cnt + ",");
``` |

| | ```
                                cnt++;
                        }
                }
}
``` |
| 37. | ```
public class Alpha
{
      public static void main(String [] args)
      {
                  while(i<3)
                    {
                              do
                              {
                                      System.out.print(j + ",");
                                      j++;
                               }while(j<4);
                              i++;
                    }
              }
}
``` |
| 38. | ```
class Test
  {
      public static void main(String[] args)
            {
                        int i = 0;
                        for (System.out.println("HI"); i < 1; i+
+)
                              System.out.println("HELLO ITER");
            }
}
``` |
| 39. | ```
public class Alpha
{
      public static void main(String [] args)
      {
                        int i , j;
                for(i=0;i<3;i++)
                  {
                      for(j=1;j<4;j++)
                      {
                            i%=j;
                            System.out.println(j);
                      }
                  }
}
``` |
| 40. | ```
public class Test
{
        public static void main(String agrs[])
            {
``` |

| | ```
                        int i;
                        for(i=1; i<=10; i++);
                                System.out.print(i);
            }
    }
``` |
| 41. | What will be the output for the following program?

```
        class Test
         {
                    public static void main(String[] args)
                        {
                                do
                                {
                                        while (true)
                                                System.out.printl
        n("HELLO");
                                }while (false);
                        }
                }
``` |
| 42. | What will be the output for the following program?
```
class Test
  {
        public static void main(String[] args)
        {
                do
                    System.out.println("FRIENDS");
                while (true);
                  System.out.println("ENEMY");
            }
    }
``` |
| 43. | What will be the output for the following program?

```
        class Test
        {
                public static void main(String[] args)
                {
                            int x = 1, y = 2;
                            do
                             {
                                    System.out.println("FRIENDS");
                             } while (x < y);
                            System.out.println("ENEMY");
                }
        }
``` |
| 44. | ```
public class Test
{
        public static void main(String agrs[])
          {
``` |

| | ```
            for(int i=1; i<=10; i++);
                    System.out.print(i);
        }
}
``` |
| 45. | ```
class Test
  {
        public static void main(String[] args)
        {
                for(int i = 0; 1; i++)
                {
                        System.out.println("Hello");
                        break;
                }
            }
}
``` |
| 46. | ```
class Test
  {
            public static void main(String[] args)
            {
                    do
                    {
                            System.out.print(1);
                              do
                              {
                                    System.out.print(2);
                              } while (false);
                    } while (false);
                }
    }
``` |
| 47. | ```
public class Testing
{
            public static void main(String[] args)
              {
                    loop1:
                    for (int i = 0; i < 5; i++)
                    {
                            for (int j = 0; j < 5; j++)
                            {
                                    if (i == 3)
                                        break loop1;

System.out.println("i = " + i + " j = " + j);
                                }
                        }
                }
}
``` |
| 48. | ```
public class Testing
{
``` |

```
            public static void main(String[] args)
              {

                                int x = 3, k;
                                while (x-- >= 0)
                                  {
                                        System.out.println
(x);
                                  }

                    }
}
```

| 49. | ```
public class Testing
{
          public static void main(String[] args)
            {
                    int x = -10;
                    while (x++ != 0)
                                ;
                    System.out.println(x);
              }
}
``` |
| --- | --- |
| 50. | Find the output of the code:<br><br>```
public class Demo
{
          public static void main (String []args)
            {
                    int n = 6, i=0;
                     for (i=0; Math.pow(2,i)<=n; i++);
                             System.out.println(i);
            }
}
``` |
| 51. | Find the output of the code:<br><br>```
public class Demo
{
            public static void main (String []args)
              {
                      int n = 6, i=0;
                       while (Math.pow(2,i)<=n);

System.out.println(i);
                    }
            }
``` |
| 52. | Find the output of the code:<br><br>```
public class Demo
{
``` |

```
                         public static void main (String
        []args)
                     {
                               int n = 6,i,j;
                                 for (i=0,j=0; i<n; i++,j++)

          System.out.println(i+" "+j);
                     }
            }
```

53.	Find the output of the code:

```
public class Demo
{
        public static void main (String []args)
        {
                do
                {
                        System.out.println(i);
                }   while (i < = 5 );
        }
}
```

54.	

```
class Test
{
        public static void main(String[] args)
    {
        do
                        {
            while (true)
             System.out.println("HELLO");
          }while (false);
    }
}
```

55.	

```
 class Test
  {
            public static void main(String[] args)
      {
          do
                        {
                System.out.print(1);
                do
                            {
                System.out.print(2);

             } while (false);

          } while (false);
      }
```

```
                }


56.   Public class Test
        {
                    public static void main(String[] args)
                    {
                            int x = 30, y = 50;
                          if (x < y)
                                  int a = 40;
                            else
                        {
                                  System.out.println("BYE");
                        }
                    }
        }
57.   Public class Test
        {
                    public static void main(String[] args)
                    {
                        for(i=0;i<10;i++)
                        {
                          for (j=-5;j<10;j++)
                            {
                                    if(i==j )
                          break;
                                    System.out.println("Hello");
                            }
                        }
                    }
        }
58.   Public class Test
        {
                    public static void main(String[] args)
                    {
                        int i=2;
                        for(    ;      ;      )
                        {
                          System.out.println("Hi");
                        }
                    }
        }
59.   Public class Test
        {
                    public static void main(String[] args)
                    {
```

```
                    for(int i = 0; i<5; i++)
                     {
                     System.out.println("Hello");
                     i++;
                     i--;
                     }
             }
     }
```

| 60. | ```
Public class Test
  {
            public static void main(String[] args)
             {
                    for(int i = 0; i<5; i=5 )
                     {
                            System.out.println("Hello");
                     }
             }
     }
``` |

| 61. | ```
Public class Test
  {
            public static void main(String[] args)
             {
                    String s = "School";
                    int x = 0;
                    do
                     {
                            System.out.print(s.charAt(x));
                            x++ ;
                    } while (x < 2)
             }
     }
``` |

| 62. | ```
public class Alpha
{
     public static void main(String [] args)
     {
                    int i=0;
                    for(i=1; i<=6;i++)
             {
                            if(i%3==0)
                                    continue;

     System.out.print(i+",");
                    }
             }
     }
``` |

| 63. | Find the output of the code:

```
     public class Demo
     {
``` |

```java
public static void main (String []args)
{
        int n = 6;
        do
        {
                System.out.println
(Math.abs (-n));
        }   while (n != 0);
}
}
```