

1. which is not a literal

A. ☒  
class

B. ☒  
"class"

C. ☒  
true

**Correct Answer: A**

2. which is not a String literal

A. ☒  
'4'

B. ☒  
-"8"

C. ☒  
"a"

**Correct Answer: A**

3. identifier can have a digit from 2nd char onwards

A. ☒  
true

B. ☒  
false

**Correct Answer: A**

4. `println` method automatically goes to the next line after printing.

A. ☒  
true

B. ☒  
false

**Correct Answer: A**

5. we can assign same value to multiple variables of different data types in the same statement

A. ☒  
true

B. ☒  
false

**Correct Answer: B**

```
6. class G
{
    public static void main(String[] args)
    {
```

```
int i = 5;  
int j = i -- + i;  
System.out.println(i);  
System.out.println(j);  
}  
}
```

A. ☒  
4  
9

B. ☒  
9  
4

**Correct Answer: A**

```
7. class O  
{  
    public static void main(String[] args)  
    {  
        int i = 0;  
        System.out.println(++ i);  
        System.out.println(i);  
        System.out.println(i);  
        System.out.println(i);  
        System.out.println(i);  
    }  
}
```

A. ☒  
1  
1  
1  
1  
1

B. ☒

1  
2  
2  
2  
2

**Correct Answer: A**

```
8. class J
{
    public static void main(String[] args)
    {
        System.out.println("main begin");
        if(true)
        {
            System.out.println("if block");
        }
        else;
        {
            System.out.println("else block stmt1");
            System.out.println("else block stmt2");
            System.out.println("else block stmt3");
        }
        System.out.println("main end:");
    }
}
```

A. ☒

main begin  
else block stmt1  
else block stmt2  
else block stmt3  
main end

B. ☒

main begin  
if block  
else block stmt1

```
else block stmt2  
else block stmt3  
main end:
```

C. ☒  
None

**Correct Answer: B**

```
9. class M  
  {  
    public static void main(String[] args)  
    {  
      System.out.println("main begin");  
      if(false);  
      {  
        System.out.println("if-block");  
      }  
      System.out.println("main end:");  
    }  
  }
```

A. ☒  
main begin  
if-block  
main end

B. ☒  
Compile Time Error

C. ☒  
main begin  
main end:

**Correct Answer: A**

```
10.  class G
    {
    public static void main(String[] args)
    {
    System.out.println("main begin");
    if(true)
    {
    System.out.println("if-body");
    }
    else
    {
    System.out.println("else begin");
    if(true)
    {
    System.out.println("else if body");
    }
    else
    {
    System.out.println("else else body");
    }
    System.out.println("else end");
    }
    System.out.println("main end");
    }
    }
```

A. ☒

main begin  
main end

C. ☒

main begin  
if-body

C. ☒

main begin  
if-body  
main end

**Correct Answer: C**

```
11. class J
    {
    public static void main(String[] args)
    {
    System.out.println("main begin");
    if(false)
    {
    System.out.println("if-body");
    }
    else
    {
    if(false)
    {
    System.out.println("else if body");
    }
    else
    {
    System.out.println("else else body");
    }
    }
    System.out.println("main end");
    }
    }
```

A. ☒  
main begin  
else else body  
main end

B. ☒  
main begin  
else body  
main end

C. ☒  
main begin  
main end

**Correct Answer: A**

```
12.  class E
    {
    public static void main(String[] args)
    {
    int k = 200;
    int i = k < 100 ? 10 : 20;
    System.out.println(i);
    }
    }
```

A. ☒  
100

B. ☒  
10

C. ☒  
20

**Correct Answer: C**

```
13.  class H
    {
    public static void main(String[] args)
    {
    int i = 200, j = 100;
    int min = i > j ? j : i;
    System.out.println("min b/w " + i + " and " + j + " is " +
    min);
    }
    }
```

A. ☒



min b/w 200 and 100 is 100

B. ☒

min b/w 200 and 100 is 200

**Correct Answer: A**

```
14. class M
{
public static void main(String[] args)
{
System.out.println("main begin");
int i = 20;
switch ( i )
{
case 1 :
System.out.println("from case1");
System.out.println("from case1");
break;
case 5 :
System.out.println("from case5");
System.out.println("from case5");
break;
default:
System.out.println("from default");
System.out.println("from default");
System.out.println("from default");
break;
case 10 :
System.out.println("from case10");
System.out.println("from case10");
default:
System.out.println("abcxyz");
}
System.out.println("main end");
}
}
```

A. ☒

main begin  
from default

```
from default  
from default  
main end
```

B. ☒

COMPILE TIME ERROR

C. ☒

```
main begin  
main end
```

**Correct Answer: B**

```
15. class T  
    {  
    public static void main(String[] args)  
    {  
    System.out.println("main begin");  
    short i = 100;  
    switch ( i )  
    {  
    case 10 :  
    System.out.println("from case10");  
    break;  
    case 50 :  
    System.out.println("from case50");  
    break;  
    case 170 :  
    System.out.println("from case170");  
    break;  
    case 100 :  
    System.out.println("from case100");  
    break;  
    }  
    System.out.println("main end");  
    }  
    }
```

A. ☒

```
main begin  
from case100  
main end
```

B. ☒  
compile time error

C. ☒  
main begin  
main end

**Correct Answer: A**

```
16. class Y  
    {  
    public static void main(String[] args)  
    {  
    System.out.println("main begin");  
    int i = 10;  
    int j = 10;  
    switch ( i )  
    {  
    case 5 :  
    System.out.println("from case 5");  
    break;  
    case j :  
    System.out.println("from case 10");  
    break;  
    }  
    System.out.println("main end");  
    }  
    }
```

A. ☒  
COMPILE TIME ERROR

B. ☒

from case 5

**Correct Answer: A**

```
17. class B
    {
    public static void main(String[] args)
    {
    System.out.println("main begin");
    for(int i = 10; i <= 5; i++)
    {
    System.out.println("loop body:" + i);
    }
    System.out.println("main end");
    }
    }
```

A. ☒

main begin  
main end

B. ☒

main begin  
loop body:1  
loop body:2  
loop body:3  
loop body:4  
loop body:5  
main end  
main end

C. ☒

main begin  
loop body:1  
loop body:2

```
loop body:3  
loop body:4  
loop body:5
```

**Correct Answer: A**

```
18. class D  
    {  
    public static void main(String[] args)  
    {  
    System.out.println("main begin");  
    for(int i = 1; i <= 5; i++)  
    {  
    System.out.println("loop body:" + i);  
    }  
    System.out.println("main end:" + i);  
    }  
    }
```

A. ☒

runtime error

B. ☒

compile time error

**Correct Answer: B**

```
19. class U  
    {  
    public static void main(String[] args)  
    {  
    System.out.println("main begin");  
    int i = 1;  
    for( ; ; )  
    {  
    System.out.println("loop body:" + i);  
    i++;  
    }  
    }
```

```
}
```

A. ☒

compile time error

B. ☒

infinite loop

C. ☒

mainbegin

D. ☒

run time error

**Correct Answer: B**

```
20. class W
    {
    public static void main(String[] args)
    {
    System.out.println("main begin");
    for(int i = 1, j = 20 ; j <= 60; i++, j += 3)
    {
    System.out.println("loop body:" + i + ", " + j);
    }
    }
    }
```

A. ☒

main begin

loop body:1, 20

loop body:2, 23

loop body:3, 26

loop body:4, 29

loop body:5, 32

```
loop body:6, 35
loop body:7, 38
loop body:8, 41
loop body:9, 44
loop body:10, 47
loop body:11, 50
loop body:12, 53
loop body:13, 56
loop body:14, 59
```

B. ☒

```
main begin
loop body:1, 20
loop body:2, 23
loop body:3, 26
loop body:4, 29
loop body:5, 32
loop body:6, 35
loop body:8, 41
loop body:9, 44
loop body:10, 47
loop body:11, 50
loop body:12, 53
loop body:13, 56
loop body:14, 59
```

C. ☒

infinite loop

D. ☒

compile time error

**Correct Answer: A**

```
21. class D
    {
    public static void main(String[] args)
    {
```

```
System.out.println("main begin");
for(int i = 1; i <= 10; i++)
{
    System.out.println("loop begin:" + i);
    if(i <= 4)
    {
        continue;
        System.out.println("if end");
    }
    System.out.println("loop end:" + i);
}
System.out.println("main end");
}
```

A. ☒

run time error

B. ☒

```
main begin
loop begin:1
loop begin:2
loop begin:3
loop begin:4
loop begin:5
loop end:5
loop begin:6
loop end:6
loop begin:7
loop end:7
loop begin:8
loop end:8
loop begin:9
loop end:9
loop begin:10
loop end:10
main end
```

C. ☒

compile time error



**Correct Answer: C**

```
22.  class E
    {
    public static void main(String[] args)
    {
    System.out.println("main begin");
    for(int i = 1; i <= 10; i++)
    {
    System.out.println("loop begin:" + i);
    if(i <= 4)
    {
    System.out.println("if begin");
    continue;
    }
    System.out.println("loop end:" + i);
    }
    System.out.println("main end");
    }
    }
```

A. ☒

```
main begin
loop begin:1
if begin
loop begin:2
if begin
loop begin:3
if begin
loop begin:4
if begin
loop begin:5
loop end:5
loop begin:6
loop end:6
loop begin:7
loop end:7
loop begin:8
loop end:8
loop begin:9
loop end:9
loop begin:10
loop end:10
main end
```

B. ☒

```
main begin
loop begin:1
if begin
loop begin:2
if begin
loop begin:3
if begin
loop begin:4
if begin
loop begin:5
loop end:5
loop begin:6
loop end:6
loop begin:7
loop end:7
loop begin:8
loop end:8
loop begin:9
loop end:9
main end
```

C. ☒

compile time error

D. ☒

run time error

**Correct Answer: A**

```
23. class K
{
    public static void main(String[] args)
    {
        System.out.println("main begin");
        for(int i = 1; i <= 10; i++)
        {
```

```
System.out.println("outer loop begin:" + i);
for(int j = 101; j <= 105; j++)
{
    System.out.println("inner loop begin:" + i + "," + j);
    if(j == 103)
    {
        continue;
    }
    System.out.println("inner loop end:" + i + "," + j);
}
System.out.println("outer loop end:" + i);
}
System.out.println("main end");
}
```

A. ☒

infinite loop

B. ☒

compile time error

C. ☒

```
main begin
outer loop begin:1
inner loop begin:1,101
inner loop end:1,101
inner loop begin:1,102
inner loop end:1,102
inner loop begin:1,103
inner loop begin:1,104
inner loop end:1,104
inner loop begin:1,105
inner loop end:1,105
outer loop end:1
outer loop begin:2
inner loop begin:2,101
inner loop end:2,101
inner loop begin:2,102
inner loop end:2,102
inner loop begin:2,103
inner loop begin:2,104
```

```
inner loop end:2,104
inner loop begin:2,105
inner loop end:2,105
outer loop end:2
outer loop begin:3
inner loop begin:3,101
inner loop end:3,101
inner loop begin:3,102
inner loop end:3,102
inner loop begin:3,103
inner loop begin:3,104
inner loop end:3,104
inner loop begin:3,105
inner loop end:3,105
outer loop end:3
outer loop begin:4
inner loop begin:4,101
inner loop end:4,101
inner loop begin:4,102
inner loop end:4,102
inner loop begin:4,103
inner loop begin:4,104
inner loop end:4,104
inner loop begin:4,105
inner loop end:4,105
outer loop end:4
outer loop begin:5
inner loop begin:5,101
inner loop end:5,101
inner loop begin:5,102
inner loop end:5,102
inner loop begin:5,103
inner loop begin:5,104
inner loop end:5,104
inner loop begin:5,105
inner loop end:5,105
outer loop end:5
outer loop begin:6
inner loop begin:6,101
inner loop end:6,101
inner loop begin:6,102
inner loop end:6,102
inner loop begin:6,103
inner loop begin:6,104
inner loop end:6,104
inner loop begin:6,105
inner loop end:6,105
outer loop end:6
```

```
outer loop begin:7
inner loop begin:7,101
inner loop end:7,101
inner loop begin:7,102
inner loop end:7,102
inner loop begin:7,103
inner loop begin:7,104
inner loop end:7,104
inner loop begin:7,105
inner loop end:7,105
outer loop end:7
outer loop begin:8
inner loop begin:8,101
inner loop end:8,101
inner loop begin:8,102
inner loop end:8,102
inner loop begin:8,103
inner loop begin:8,104
inner loop end:8,104
inner loop begin:8,105
inner loop end:8,105
outer loop end:8
outer loop begin:9
inner loop begin:9,101
inner loop end:9,101
inner loop begin:9,102
inner loop end:9,102
inner loop begin:9,103
inner loop begin:9,104
inner loop end:9,104
inner loop begin:9,105
inner loop end:9,105
outer loop end:9
outer loop begin:10
inner loop begin:10,101
inner loop end:10,101
inner loop begin:10,102
inner loop end:10,102
inner loop begin:10,103
inner loop begin:10,104
inner loop end:10,104
inner loop begin:10,105
inner loop end:10,105
outer loop end:10
main end
```

D. ☒

```
main begin
outer loop begin:1
inner loop begin:1,101
inner loop end:1,101
inner loop begin:1,102
inner loop end:1,102
inner loop begin:1,103
inner loop end:1,103
inner loop begin:1,104
inner loop end:1,104
inner loop begin:1,105
inner loop end:1,105
outer loop end:1
outer loop begin:2
inner loop begin:2,101
inner loop end:2,101
inner loop begin:2,102
inner loop end:2,102
inner loop begin:2,103
inner loop end:2,103
inner loop begin:2,104
inner loop end:2,104
inner loop begin:2,105
inner loop end:2,105
outer loop end:2
outer loop begin:3
inner loop begin:3,101
inner loop end:3,101
inner loop begin:3,102
inner loop end:3,102
inner loop begin:3,103
inner loop end:3,103
inner loop begin:3,104
inner loop end:3,104
inner loop begin:3,105
inner loop end:3,105
outer loop end:3
outer loop begin:4
inner loop begin:4,101
inner loop end:4,101
inner loop begin:4,102
inner loop end:4,102
inner loop begin:4,103
inner loop end:4,103
inner loop begin:4,104
inner loop end:4,104
inner loop begin:4,105
```

```
inner loop end:4,105
outer loop end:4
outer loop begin:5
inner loop begin:5,101
inner loop end:5,101
inner loop begin:5,102
inner loop end:5,102
inner loop begin:5,103
inner loop end:5,103
inner loop begin:5,104
inner loop end:5,104
inner loop begin:5,105
inner loop end:5,105
outer loop end:5
outer loop begin:6
inner loop begin:6,101
inner loop end:6,101
inner loop begin:6,102
inner loop end:6,102
inner loop begin:6,103
inner loop end:6,103
inner loop begin:6,104
inner loop end:6,104
inner loop begin:6,105
inner loop end:6,105
outer loop end:6
outer loop begin:7
inner loop begin:7,101
inner loop end:7,101
inner loop begin:7,102
inner loop end:7,102
inner loop begin:7,103
inner loop end:7,103
inner loop begin:7,104
inner loop end:7,104
inner loop begin:7,105
inner loop end:7,105
outer loop end:7
outer loop begin:8
inner loop begin:8,101
inner loop end:8,101
inner loop begin:8,102
inner loop end:8,102
inner loop begin:8,103
inner loop end:8,103
inner loop begin:8,104
inner loop end:8,104
inner loop begin:8,105
```

```
inner loop end:8,105
outer loop end:8
outer loop begin:9
inner loop begin:9,101
inner loop end:9,101
inner loop begin:9,102
inner loop end:9,102
inner loop begin:9,103
inner loop end:9,103
inner loop begin:9,104
inner loop end:9,104
inner loop begin:9,105
inner loop end:9,105
outer loop end:9
outer loop begin:10
inner loop begin:10,101
inner loop end:10,101
inner loop begin:10,102
inner loop end:10,102
inner loop begin:10,103
inner loop end:10,103
inner loop begin:10,104
inner loop end:10,104
main end"
```

**Correct Answer: C**

```
24. class O
    {
    public static void main(String[] args)
    {
    System.out.println("main begin");
    loop1:
    for(int i = 1; i <= 10; i++)
    {
    System.out.println("outer loop begin:" + i);
    loop2:
    for(int j = 101; j <= 105; j++)
    {
    System.out.println("inner loop begin:" + i + "," + j);
    if(j == 103)
    {
    continue loop1;
    }
    System.out.println("inner loop end:" + i + "," + j);
    }
```



```
    }  
    System.out.println("outer loop end:" + i);  
    }  
    System.out.println("main end");  
    }  
}
```

A. ☒

infinite loop

B. ☒

```
main begin  
outer loop begin:1  
inner loop begin:1,101  
inner loop end:1,101  
inner loop begin:1,102  
inner loop end:1,102  
inner loop begin:1,103  
outer loop begin:2  
inner loop begin:2,101  
inner loop end:2,101  
inner loop begin:2,102  
inner loop end:2,102  
inner loop begin:2,103  
outer loop begin:3  
inner loop begin:3,101  
inner loop end:3,101  
inner loop begin:3,102  
inner loop end:3,102  
inner loop begin:3,103  
outer loop begin:4  
inner loop begin:4,101  
inner loop end:4,101  
inner loop begin:4,102  
inner loop end:4,102  
inner loop begin:4,103  
outer loop begin:5  
inner loop begin:5,101  
inner loop end:5,101  
inner loop begin:5,102  
inner loop end:5,102  
inner loop begin:5,103  
outer loop begin:6  
inner loop begin:6,101
```

```
inner loop end:6,101
inner loop begin:6,102
inner loop end:6,102
inner loop begin:6,103
outer loop begin:7
inner loop begin:7,101
inner loop end:7,101
inner loop begin:7,102
inner loop end:7,102
inner loop begin:7,103
outer loop begin:8
inner loop begin:8,101
inner loop end:8,101
inner loop begin:8,102
inner loop end:8,102
inner loop begin:8,103
outer loop begin:9
inner loop begin:9,101
inner loop end:9,101
inner loop begin:9,102
inner loop end:9,102
inner loop begin:9,103
outer loop begin:10
inner loop begin:10,101
inner loop end:10,101
inner loop begin:10,102
inner loop end:10,102
inner loop begin:10,103
main end
```

C. ☒

```
main begin
outer loop begin:1
inner loop begin:1,101
inner loop end:1,101
inner loop begin:1,102
inner loop end:1,102
inner loop begin:1,103
outer loop begin:2
inner loop begin:2,101
inner loop end:2,101
inner loop begin:2,102
inner loop end:2,102
inner loop begin:2,103
outer loop begin:3
inner loop begin:3,101
```

```
inner loop end:3,101
inner loop begin:3,102
inner loop end:3,102
inner loop begin:3,103
outer loop begin:4
inner loop begin:4,101
inner loop end:4,101
inner loop begin:4,102
inner loop end:4,102
inner loop begin:4,103
outer loop begin:5
inner loop begin:5,101
inner loop end:5,101
inner loop begin:5,103
outer loop begin:6
inner loop begin:6,101
inner loop end:6,101
inner loop begin:6,102
inner loop end:6,102
inner loop begin:6,103
outer loop begin:7
inner loop begin:7,101
inner loop end:7,101
inner loop begin:7,102
inner loop end:7,102
inner loop begin:7,103
outer loop begin:8
inner loop begin:8,101
inner loop end:8,101
inner loop begin:8,102
inner loop end:8,102
inner loop begin:8,103
outer loop begin:9
inner loop begin:9,101
inner loop end:9,101
inner loop begin:9,102
inner loop end:9,102
inner loop begin:9,103
outer loop begin:10
inner loop begin:10,101
inner loop end:10,101
inner loop begin:10,102
inner loop end:10,102
inner loop begin:10,103
main end
```

**Correct Answer: B**

```
25. class A
{
    public static void main(String[] args)
    {
        System.out.println("main begin");
        int i = 1;
        while(i <= 5)
        {
            System.out.println("loop begin:" + i);
            System.out.println("loop end:" + i);
            i++;
        }
        System.out.println("main end:" + i);
    }
}
```

A. ☒

```
main begin
loop begin:1
loop end:1
loop begin:2
loop end:2
loop begin:3
loop end:3
loop begin:4
loop end:4
loop begin:5
loop end:5
main end:6
```

B. ☒

compile time error

C. ☒

```
main begin
loop begin:1
loop end:1
loop begin:2
loop end:2
loop begin:3
```

```
loop end:3  
loop begin:4  
loop end:4  
loop begin:5  
main end:6
```

**Correct Answer: A**

```
26. class F  
    {  
    public static void main(String[] args)  
    {  
    System.out.println("main begin");  
    int i = 1;  
    while(i <= 5)  
    System.out.println("loop begin:" + i);  
    System.out.println("loop end:" + i);  
    i++;  
    System.out.println("main end:" + i);  
    }  
    }
```

A. ☒  
infinite loop

B. ☒  
main begin

C. ☒  
compile time error

**Correct Answer: A**

```
27. class S  
    {  
        public static void main(String[] args)
```

```
    {  
        System.out.println("main begin");  
        if(false || true)  
        {  
            System.out.println("from if1");  
            System.out.println("from if2");  
            System.out.println("from if3");  
        }  
        System.out.println("main end:");  
    }  
}
```

A. ☒

main begin  
from if1  
from if2  
from if3  
main end:

B. ☒

main begin  
from if1  
from if2  
from if3

C. ☒

main begin  
main end:

D. ☒

Compilation Error

**Correct Answer: A**

```
28. package nested;  
  
    public class M {
```

```
        public static void main(String[] args) {  
            System.out.println("main begin");  
            if(true)  
            if(true)  
            System.out.println("if2 begin");  
            System.out.println("main end");  
        }  
    }
```

A. ☒

main begin  
if2 begin

B. ☒

main begin  
main end

C. ☒

main begin  
if2 begin  
main end

D. ☒

Compilation Error

**Correct Answer: C**

29. package nested;

```
    public class P {  
        public static void main(String[] args) {  
            System.out.println("main begin");  
            if(true)  
            System.out.println("if1 begin");  
            if(false)  
            System.out.println("if2 begin");  
        }  
    }
```

```
        System.out.println("main end");  
    }  
}
```

A. ☒

main begin  
if1 begin  
main end

B. ☒

main begin  
main end

C. ☒

main begin  
if2 begin  
main end

D. ☒

Compilation Error

**Correct Answer: A**

```
30. package nested;  
  
    public class Z2 {  
        public static void main(String[] args) {  
            System.out.println("main begin");  
            if(true) {  
                System.out.println("if1 begin");  
                if(true) {  
                    if(false)  
  
                System.out.println("if3 begin");  
                }  
                System.out.println("if1 end");  
            }  
        }  
    }
```



```
        System.out.println("main end");  
    }  
}
```

A. ☒

```
main begin  
if1 begin  
if3 begin  
if1 end  
main end
```

B. ☒

```
main begin  
if1 begin  
if1 end  
main end
```

C. ☒

```
main begin  
if1 begin  
if3 begin  
if1 end  
main end
```

D. ☒

```
main begin  
main end
```

E. ☒

Compilation error

**Correct Answer: B**