QUESTIONS(Find the output)

QUESTION 1 :

```java
package org.test;

public class Hello {
    public static void main(String[] args) {
      for (int i = 1; i <= 100; i++) {
        if (i == 5) {

        }
        System.out.println(i);

      }

    }

}
```

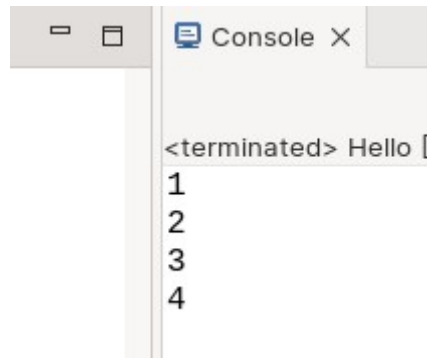Output :-
```
    // print numbers from 1 to 100

    1
    .
    .
    .
    100
```

QUESTION 2 :

```java
package org.test;

public class Hello {
    public static void main(String[] args) {
        for (int i = 1; i <= 10; i++) {
            if (i == 5) {
               break;
            }
            System.out.println(i);

        }

    }

}
```
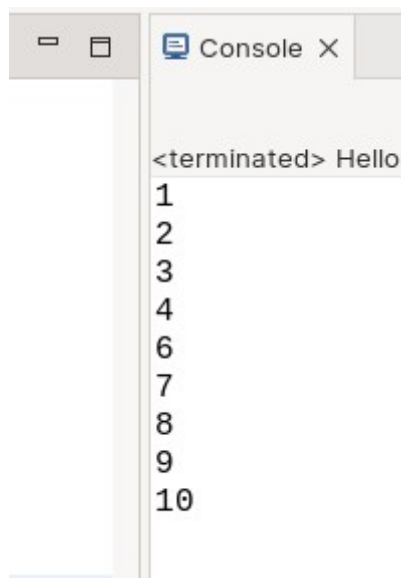
Output :-

QUESTION 3 :

```java
package org.test;

public class Hello {
    public static void main(String[] args) {
        for (int i = 1; i <= 10; i++) {
            if (i == 5) {
                continue;
            }
            System.out.println(i);

        }

    }

}
```
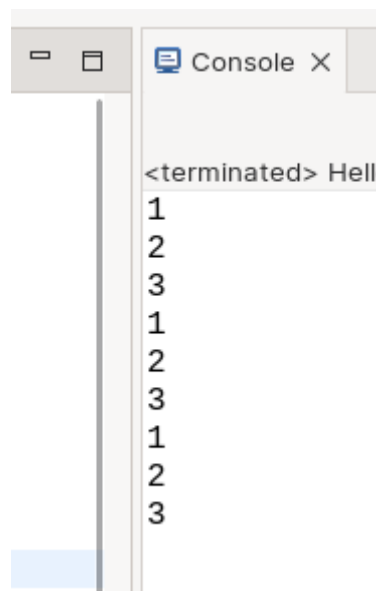
Output :-

QUESTION 4 :

```java
package org.test;

public class Hello {
    public static void main(String[] args) {
        for (int i = 1; i <= 3; i++) {
            for (int j = 1; j <= 3; j++) {
                System.out.println(j);
            }

        }
    }
}
```

Output :-

QUESTION 5 :

```java
package org.test;
public class Hello {
    public static void main(String[] args) {
        for (int i = 1; i <= 3; i++) {
            for (int j = 1; j <= 3; j++) {
                System.out.println(i);
            }

        }
    }
}
```

Output :-

QUESTION 6 :

```java
package task.org.test;

public class Hello {
    public static void main(String[] args) {
        for (int i = 1; i <= 3; i++) {
            for (int j = 1; j <= i; j++) {
                System.out.println(j);
            }

        }
    }
}
```
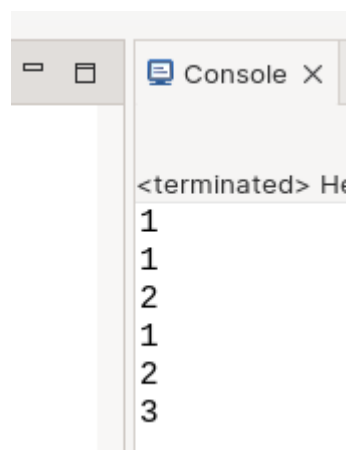
output :-

QUESTION 7 :

```java
package org.test;

public class Hello {
    public static void main(String[] args) {
        for (int i = 1; i <= 3; i++) {
            for (int j = i + 1; j <= 3; j++) {
                System.out.println(j);
            }

        }
    }
}
```

Output :-


```
Console X

<terminated> He
2
3
3
```

QUESTION 8 :

```java
package org.test;

public class Hello {
    public static void main(String[] args) {
        for (int i = 1; i <= 3; i++) {
            for (int j = i + 1; j <= i; j++) {
                System.out.println(j);
            }

        }
    }
}
```
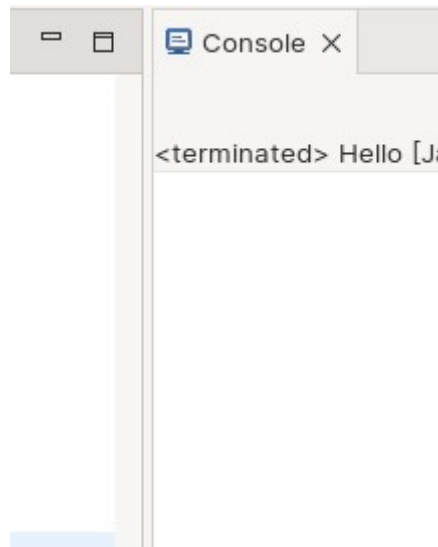
Output :-

// This because In every iteration occurs in nested for j=i+1 performs and check j<=i,

    which means i=1
               j=i+1,
    So,   **j=2**

    Now check in nested for j<=i, which means 2<=1
    this will be false, in each iteration got incremented so the condition will be false in every iteration, it does not goes to the inside loop, So the program gets terminated and ouputs nothing.

QUESTION 9 :

```java
package org.test;

public class Hello {
    public static void main(String[] args) {
        int i=5;
        if (i == 5) {
            break;
        }
        System.out.println(i);
    }
}
```

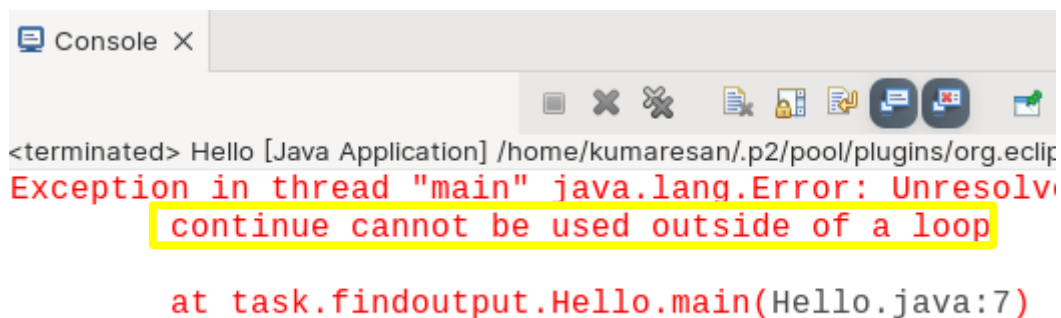**Console :-**


```
<terminated> Hello [Java Application] /home/kumaresan/.p2/pool/plugins/org.eclipse.justj.op
Exception in thread "main" java.lang.Error: Unresolved comp.
        break cannot be used outside of a loop or a switch

        at task.findoutput.Hello.main(Hello.java:7)
```

QUESTION 10 :

```java
package task.findoutput;

public class Hello {
      public static void main(String[] args) {
        int i=5;
          if (i == 5) {
            continue;
          }
          System.out.println(i);
        }

    }
```

Console :-


```
<terminated> Hello [Java Application] /home/kumaresan/.p2/pool/plugins/org.eclip
Exception in thread "main" java.lang.Error: Unresolv
        continue cannot be used outside of a loop

        at task.findoutput.Hello.main(Hello.java:7)
```