SUBMITTED BY:-   **KANISHK**

2205130

CSE-37

TEST-1

```java
J Simple.java > 😤 Simple > ⊕ main(String[])
1   public class Simple{
2       int a;
        Run | Debug
3       public static void main(String args[]){
4       Simple s1; s1.a=5;
5       System.out.println(s1.a);
6   }
7   }
```

OUTPUT:

```
PROBLEMS 2    OUTPUT    TEST RESULTS    DEBUG CONSOLE    PORTS    TERMINAL

PS C:\Users\KIIT\Pictures\Screenshots\Java Development> cd "c:\Users\KIIT\Pictures\Screenshots\Java Development\" ; if ($?) { javac Simple.java } ; if ($
?) { java Simple }
Simple.java:4: error: variable s1 might not have been initialized
    Simple s1; s1.a=5;
                ^
1 error
PS C:\Users\KIIT\Pictures\Screenshots\Java Development>

                                                                                Ln 6, Col 6    Spaces: 4    UTF-8    CRLF    {} Java
```

TEST-2:

```java
J Simple.java 1 ✕        J StarPattern.class

J Simple.java > 😤 Simple
1   public class Simple{
2       int a;
        Run | Debug
3       public static void main(String args[]){
4       Simple s1;
5       s1.a=5;
6       System.out.println(a);
7   }
8   }
```

OUTPUT:

```
PROBLEMS 1    OUTPUT    TEST RESULTS    DEBUG CONSOLE    PORTS    TERMINAL

PS C:\Users\KIIT\Pictures\Screenshots\Java Development> cd "c:\Users\KIIT\Pictures\Screenshots\Java Development\" ;
 if ($?) { javac Simple.java } ; if ($?) { java Simple }
Simple.java:6: error: non-static variable a cannot be referenced from a static context
    System.out.println(a);
                        ^
1 error
PS C:\Users\KIIT\Pictures\Screenshots\Java Development> 
```
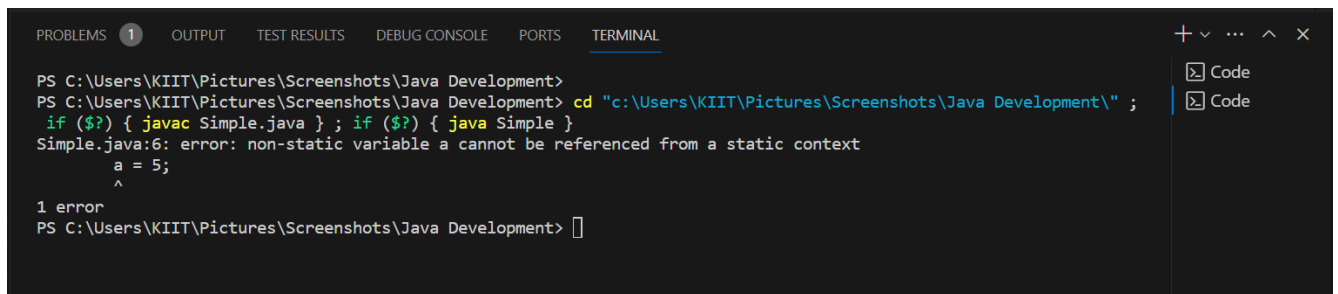
TEST-3:

```java
public class Simple {
    int a;

    public static void main(String args[]) {
        Simple s1;
        a = 5;
        System.out.println(s1.a);
    }
}
```

OUTPUT:

```
PS C:\Users\KIIT\Pictures\Screenshots\Java Development>
PS C:\Users\KIIT\Pictures\Screenshots\Java Development> cd "c:\Users\KIIT\Pictures\Screenshots\Java Development\" ;
 if ($?) { javac Simple.java } ; if ($?) { java Simple }
Simple.java:6: error: non-static variable a cannot be referenced from a static context
        a = 5;
        ^
1 error
PS C:\Users\KIIT\Pictures\Screenshots\Java Development>
```
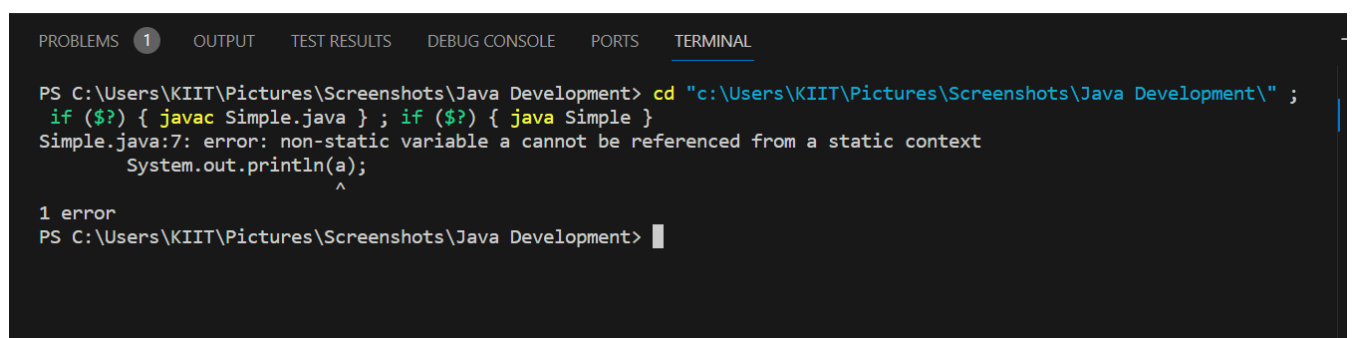
TEST-4:

```java
public class Simple {
    int a;

    public static void main(String args[]) {
        Simple s1;
        s1.a = 5;
        System.out.println(a);
    }
}
```

OUTPUT:

```
PS C:\Users\KIIT\Pictures\Screenshots\Java Development> cd "c:\Users\KIIT\Pictures\Screenshots\Java Development\" ;
 if ($?) { javac Simple.java } ; if ($?) { java Simple }
Simple.java:7: error: non-static variable a cannot be referenced from a static context
        System.out.println(a);
                           ^
1 error
PS C:\Users\KIIT\Pictures\Screenshots\Java Development>
```