Debugging in mini project

1. Variable on the left side of a given value was absent

```
PS C:\Users\maddy\OneDrive\Desktop\ProjectileMotion>  c:; cd 'c:\Users\maddy\OneDrive\Desktop\ProjectileMotion'; & 'C:\Program Files\
Java\jdk-19\bin\java.exe' '-agentlib:jdwp=transport=dt_socket,server=n,suspend=y,address=localhost:64511' '-XX:+ShowCodeDetailsInExce
ptionMessages' '-cp' 'C:\Users\maddy\AppData\Roaming\Code\User\workspaceStorage\e524ad3c110f24f47496d620e8d7ded5\redhat.java\jdt_ws\P
rojectileMotion_c0733314\bin' 'ProjectileMotion'
Software for solving problems based on projectile motion
Select type of projection involved in the question
1: Inclined projection from ground.
2: Horizontal projection from some height 'H'.
3: Inclined projection from some height 'H'.
4: Inclined projection on inclined surface
0: Exit

Enter input:
1
1
Exception in thread "main" java.lang.Error: Unresolved compilation problems:
        The left-hand side of an assignment must be a variable
        Syntax error on token "/", invalid AssignmentOperator

        at ProjectileMotion.groundProjection(ProjectileMotion.java:106)
        at ProjectileMotion.main(ProjectileMotion.java:28)
PS C:\Users\maddy\OneDrive\Desktop\ProjectileMotion>
```

2. Trying to take input in integer variable using sc.next()

```
PS C:\Users\maddy\OneDrive\Desktop\ProjectileMotion>  c:; cd 'c:\Users\maddy\OneDrive\Desktop\ProjectileMotion'; & 'C:\Program Files\
Java\jdk-19\bin\java.exe' '-agentlib:jdwp=transport=dt_socket,server=n,suspend=y,address=localhost:64309' '-XX:+ShowCodeDetailsInExce
ptionMessages' '-cp' 'C:\Users\maddy\AppData\Roaming\Code\User\workspaceStorage\e524ad3c110f24f47496d620e8d7ded5\redhat.java\jdt_ws\P
rojectileMotion_c0733314\bin' 'ProjectileMotion'
Exception in thread "main" java.lang.Error: Unresolved compilation problem:
        Type mismatch: cannot convert from String to int

        at ProjectileMotion.main(ProjectileMotion.java:21)
PS C:\Users\maddy\OneDrive\Desktop\ProjectileMotion>
```

3. Semi colon was missing at the end of a statement.

```
PS C:\Users\maddy\OneDrive\Desktop\ProjectileMotion>  c:; cd 'c:\Users\maddy\OneDrive\Desktop\ProjectileMotion'; & 'C:\Program Files\
Java\jdk-19\bin\java.exe' '-agentlib:jdwp=transport=dt_socket,server=n,suspend=y,address=localhost:64269' '-XX:+ShowCodeDetailsInExce
ptionMessages' '-cp' 'C:\Users\maddy\AppData\Roaming\Code\User\workspaceStorage\e524ad3c110f24f47496d620e8d7ded5\redhat.java\jdt_ws\P
rojectileMotion_c0733314\bin' 'ProjectileMotion'
Exception in thread "main" java.lang.Error: Unresolved compilation problem:
        Syntax error, insert ";" to complete Statement

        at ProjectileMotion.main(ProjectileMotion.java:10)
PS C:\Users\maddy\OneDrive\Desktop\ProjectileMotion>
```

After resolving all errors, the program is running efficiently.

```
PS C:\Users\maddy\OneDrive\Desktop\ProjectileMotion>  & 'C:\Program Files\Java\jdk-19\bin\
ver=n,suspend=y,address=localhost:56207' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' '
eStorage\e524ad3c110f24f47496d620e8d7ded5\redhat.java\jdt_ws\ProjectileMotion_c0733314\bin
Software for solving problems based on projectile motion
Select type of projection involved in the question
1: Inclined projection from ground.
2: Horizontal projection from some height 'H'.
3: Inclined projection from some height 'H'.
4: Inclined projection on inclined surface
0: Exit

Enter input:
1
Enter the number to provide values of the any '2' quantities given:
1: Velocity
2: Angle of projection
3: Horizontal range
4: Time of flight
5: Maximum height of projection
0: Exit
Enter input:
1
Enter value of velocity in m/s: 1
Enter input:
2
Enter value of Angle of projection in degrees: 34
Enter serial no. to get the desired output:
1: Maximum height of projection
2: Total time of flight
3: Horizontal range of projection
0: Exit
```