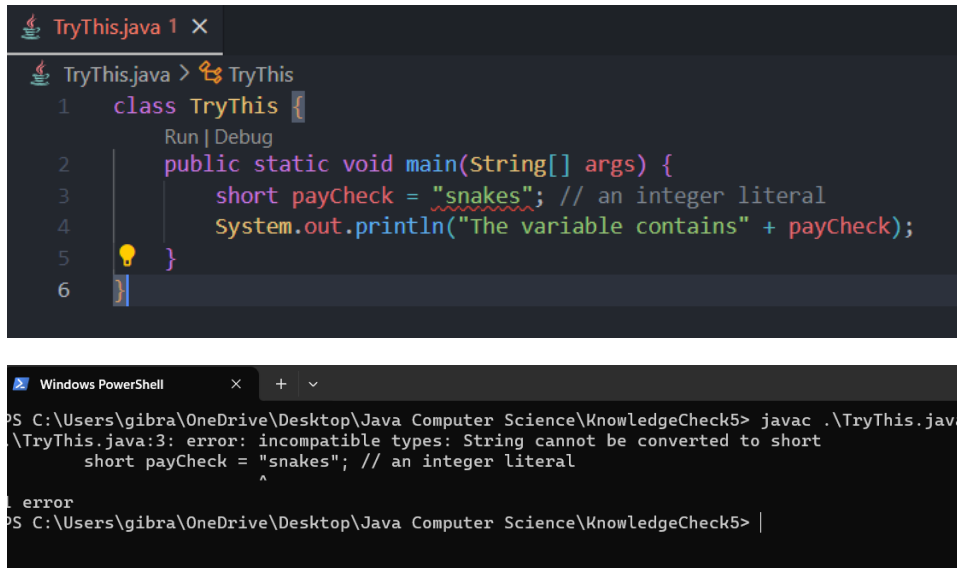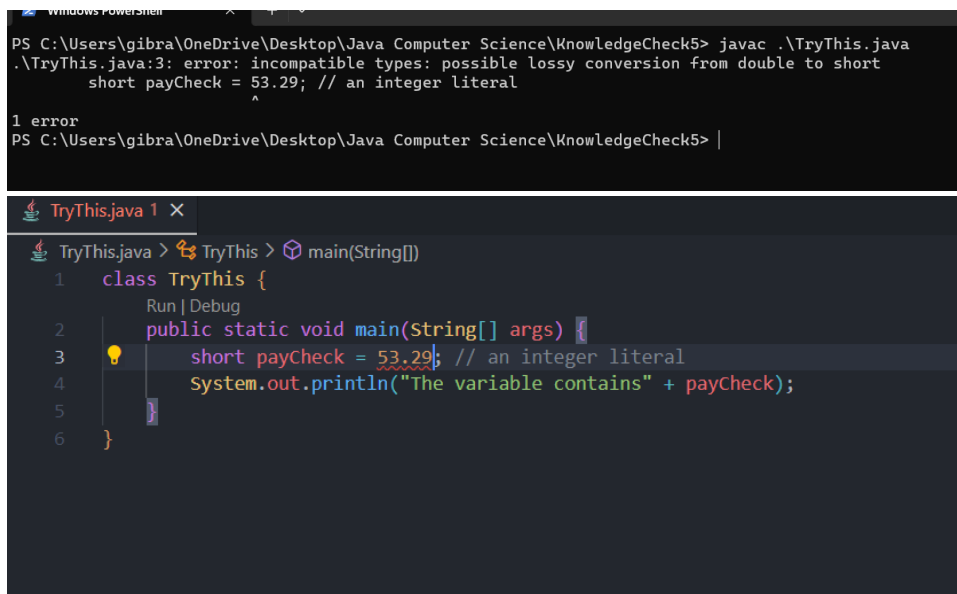7. Because the variable *payCheck* is of type short, and the value "snakes" is of type String.

```
TryThis.java 1  ×

TryThis.java >  TryThis
1    class TryThis {
         Run | Debug
2        public static void main(String[] args) {
3            short payCheck = "snakes"; // an integer literal
4            System.out.println("The variable contains" + payCheck);
5        }
6    }
```

```
Windows PowerShell        ×    +   ∨

PS C:\Users\gibra\OneDrive\Desktop\Java Computer Science\KnowledgeCheck5> javac .\TryThis.java
.\TryThis.java:3: error: incompatible types: String cannot be converted to short
        short payCheck = "snakes"; // an integer literal
                         ^
 error
PS C:\Users\gibra\OneDrive\Desktop\Java Computer Science\KnowledgeCheck5> |
```

8. Because the variable payCheck is of type short, and the value 53.29 is of type double or float.

```
Windows PowerShell        ×    +   ∨

PS C:\Users\gibra\OneDrive\Desktop\Java Computer Science\KnowledgeCheck5> javac .\TryThis.java
.\TryThis.java:3: error: incompatible types: possible lossy conversion from double to short
        short payCheck = 53.29; // an integer literal
                         ^
1 error
PS C:\Users\gibra\OneDrive\Desktop\Java Computer Science\KnowledgeCheck5> |
```

```
TryThis.java 1  ×

TryThis.java >  TryThis >  main(String[])
1    class TryThis {
         Run | Debug
2        public static void main(String[] args) {
3            short payCheck = 53.29; // an integer literal
4            System.out.println("The variable contains" + payCheck);
5        }
6    }
```

9. Because the variable payCheck is of type short, and the value 53,000 is of type int.

Windows PowerShell

```
PS C:\Users\gibra\OneDrive\Desktop\Java Computer Science\KnowledgeCheck5> javac .\TryThis.java
.\TryThis.java:3: error: incompatible types: possible lossy conversion from int to short
        short payCheck = 53000; // an integer literal
                         ^
1 error
PS C:\Users\gibra\OneDrive\Desktop\Java Computer Science\KnowledgeCheck5>
```

TryThis.java 1 ×

TryThis.java > TryThis > main(String[])

```java
class TryThis {
    Run | Debug
    public static void main(String[] args) {
        short payCheck = 53000; // an integer literal
        System.out.println("The variable contains" + payCheck);
    }
}
```