hw22-FixThePitfalls

Solution:

Oddball Solution

Simplify the isValidId method in the Validations class.

```
public boolean isValidId(String value) {
    String regex = "^[LOlo][a-zA-Z0-9]+$";
    Pattern pattern = Pattern.compile(regex);
    Matcher matcher = pattern.matcher(value);
    return matcher.matches();
}
```

Type embedded in names:

Change it to employeeFilePath to avoid having the type (file) in the name.

```
public class EmployeeManager {
    private final String employeeFilePath = "employees.json";
```

Conditional Complexity:

Use a stream to simplify

```
@Override
    public Date deserialize (JsonElement json, Type typeOfT, JsonDese
        String dateStr = json.getAsString();
        return Arrays.stream(inputFormats)
            .map(format -> {
                try {
                    return format.parse(dateStr);
                } catch (ParseException e) {
                    return null;
                }
            })
            .filter(Objects::nonNull)
            .findFirst()
            .orElseThrow(() -> new JsonParseException("Unparseable d
    }
}
```

Long Methods:

Split into smaller methods

```
private List<Employee> loadEmployees() {
    try (Reader reader = new FileReader(employeeFilePath)) {
        return parseEmployeesFromJson(reader);
    } catch (IOException e) {
        handleLoadError(e);
        return new ArrayList<>();
    }
}

private List<Employee> parseEmployeesFromJson(Reader reader) {
    Type listType = new TypeToken<List<Employee>>(){}.getType();
    return GSON.fromJson(reader, listType);
}

private void handleLoadError(IOException e) {
    System.out.println("Error al cargar los empleados: " + e.getMessa}
```

Dead Code:

Remove code from getIntInput

Non-descriptive variable names:

They should have clearer names that indicate their exact purpose, such as gsonInstance or employeeList or employees.