**1.What is data validation?**

**->** Pega Platform provides data validation by using business logic to test fields with conditions.

For example, you can use a calendar control to ensure that the data entered by users is a date, regardless of whether the format is dd/mm/yyyy or mm/dd/yyyy.

**2.What are data requirements for data validation?**

->The data must be the right type->For example, users must enter a number in a Total purchase units field.

->The data must be restricted to possible values->For example, users can only choose a valid loan type by selecting the type from a list of options.

->The data must fit the business logic->For example, a Date of birth field must be in the past.

**3.What are the types of validations?**

* When you enter data, the browser and/or the web server will check to see that the data is in the correct format and within the constraints set by the application
* Validation done in the browser is called client-side validation, while validation done on the server is called server-side validation

**CLIENT-SIDE VALIDATION**: (CLIENT=browserhtml)

If you want to validate properties before submitting the forms, those validation are called as client-side validations

->executed on html and java in application

**SERVER-SIDE VALIDATION:** (SERVER=tomcad)

If you want to validate properties after submitting the forms, those validation are called as server-side validations

**4.What are the rules in pega for validation?**

There are three rules for data validation. They are:

**Validate**

àunder process category, we can create validate rules

->it is completely server-side validation

->it is instances of Rule-Obj-Validate

**Edit-validate**

àunder data model category

->it is client-side validation

->it is instance of Rule-Edit-Validate.

**Constraints**

àunder decision category, we can create declare constraint rules

->client side only

**5.What are techniques for validation?**

Field length check, format check, range check

**6.What are the advantages and disadvantages of validations?**

**Advantages:** Data validation provides accuracy, cleanness, and completeness to the dataset by eliminating data errors from any project to ensure that the data is not corrupted.

**Disadvantages:** Processing time will increase

**7.How to call edit-validate rule from activity?**

By using Property-validate method

**8.Is it possible to call edit-validate rule from Data Transform?**

If we call property in data transform, automatically edit-validate will get executed

**9.How to customize the message in edit-validate rule?**

By using “theproperty.addmessage” method

**10.How to call Validate-Rule in pega?**

1.from activity

2.from another validate tab

3.from flow action

**11. Where do we use data validation?**

1.When input is required

2.When you need to restrict the choices, a user can select

3.When you want to ensure the input conforms to a pattern

4.when you want to ensure the correctness of discrete or dependent information

**12. What are the different types of validation?**

Property type – Only the value type defined by the property can be entered

Control – Restricts invalid values on a form from being entered or selected

Validate – Compares a property against a condition

Edit validate – Tests the patterns of single value, value list, and value group properties

Required – A value must be entered

### 13. **What is the difference between Page -Validate and Property-Validate methods?**

**Page Validate:** The page-validate method is used to validate all the properties present on a page. If a page has embedded pages, this method works recursively to validate all the properties. This method consumes a lot of system resources and takes more time. If you want to validate specific properties use the Obj-Validate method with a Rule-Obj-Validate rule.  
**Property-Validate:** A property-validate method is used to impose restrictions on property value. Use Edit validate rule along with Property-Validate method to impose restrictions. You can validate multiple properties using the Property-Validate method.

### **14. What is the difference between Edit validate and Edit Input rules?**

* **Edit Validate:** Use the edit validate rule to validate the property value using java code. Edit validate rules can be used property-validate, Rule-Obj-Validate, and Property rules.
* **Edit Input:** Edit input rules convert user-entered data into the required format. For example, if the user enters the date MM/DD/YYYY format, the edit input rule covers this date into DD-MMM-YYYY (required format). Again we need to write java code for this transformation.