Xpaths:

String functions split implementation

Assertions.

**Hard assert:** The java statements following by assertion will not be executed if the assertion fails.

Eg: Assert.*assertEquals*(text, "You are successfull logged in.");

Dropdowns:

Static dropdown

Dynamic Dropdown (Auto suggestive)

**Pattern problems:**

**1)**

1 2 3 4 5

6 7 8 9

10 11 12

13 14

15

**2)**

3

6 9

12 15 18

21 24 27 30

**Java is Object Oriented Programming System – (OOPS)**

**Structure:**

* **Class -  A class is**a user defined blueprint or prototype from which objects are created**.**
* **Object – Instances of class**
* **Method – it is member of a class which contains set of java statements. It has a return types, access modifier and can have attributes**
* **Attributes – Parameters passed inside a method are called attributes**

**Principals of OOP**

* **Inheritance**
* **Abstraction**
* **Polymorphism**
* **Encapsulation**

**Inheritance : Acquiring properties from parent**

**Extends keyword is used to get properties from parent to child.**

**Parent class – Vehicle - KTM:**

**petrolEngine**

**desielEngine**

**EV**

**gears**

**braking**

**Child RC extends Vehicle - KTM -**

**Type**

**Colour**

**Style**

**Child Duke**

**Type**

**Colour**

**Style**