

SSN College of Engineering
Department of IT
A Section
Ex-07

Assignment Date: 01.12.2022

Submission Deadline: 08.12.2022

Assignment Topic: Regular Expression Usage

Question 1 Password Validity Check

Check the given string can be a valid password.

Question 2 'Variable' Validity Check

Check the given string can be a valid Variable.

Sample Test cases

Partial_Sum1 – Valid

1Partial - Invalid

Question 3 Validate the given number as a binary number

Sample Test Cases

01010 – Valid

00102 - Invalid

Question 4 Sentence Validation

Create a parser to validate the given sentence.

A Language consists of limited Nouns and verbs. (Define 15 Verbs: cut, sing, dance, fell, ...)
Create a parser using Regular expression to check whether the given sentence is valid or not
as per English sentence rule [Subject][Verb][object]

The Verb takes only the forms to present tense and past tense

The Subject takes singular/ plural forms and pronouns He and She; it also consists of
People/boys/girl like.. .

Sample Test Cases

Ram Cuts the tree. : Valid

Mohan beat Kevin: Invalid

A child ate Lollypop: Valid

Drink milk cat: Invalid

Milk drinks cat: Valid {Syntactically Valid ☺)