**UNIVERSITY OF ASIA PACIFIC**

Department of Computer Science & Engineering

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Description automatically generated

**Artificial Inteligence Lab**

**Course Code: CSE 404**

**Lab Exam**

**( Part – 1 )**

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|  |  |  |
| **Student Name** | : | Md. Sohanuzzaman Soad |
| **Student ID** | : | 18101064 |
| **Section** | : | B1 |
| **Date of Submission** | : | 10.09.2021 |

**1.**

**Code:**

[A, B|C] = [a, [ ]].

**Output:**

**Graphical user interface, application

Description automatically generated**

**2.**

**Code:**

is\_in(Item,[Item|Rest]).

is\_in(Item,[DisregardedHead|Tail]):-

is\_in(Item,Tail).

**Output:**

**Graphical user interface, text

Description automatically generated**

**3.**

**Code:**

%facts%

has(toyota,four\_doors).

trunk(toyota,traditional).

roof(toyota,solid).

price(toyota,high).

has(truck,two\_doors).

trunk(truck,traditional).

roof(truck,solid).

has(mercedes,two\_doors).

price(mercedes,high).

%rules%

types(Car,sedan) :-

has(Car,four\_doors),

trunk(Car,traditional).

types(Car,coupe) :-

has(Car,two\_doors),

trunk(Car,traditional),

roof(Car,solid).

types(Car,sports) :-

has(Car,two\_doors),

price(Car,high).

**Output:**

Text

Description automatically generated