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SC3000: Artificial Intelligence Lab Assignment 2 Report

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**Tutorial Group:**

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# Exercise 1: The Smart Phone Rivalry

**Q1.1**

**Constants:**

1. sumsum
2. appy
3. stevey
4. galactica-s3

**Facts**:

1. Competitor(sumsum, appy)
2. boss(stevey, appy).
3. developed(sumsum, galactica\_s3)
4. stole(stevey, galactica\_s3)

**Predicates:**

1. ∀B, ∀C, ∀T, ∀R,

[BossOf(B, C) ∧ Stole(B, T) ∧ Business(T) ∧ DevelopedBy(T, R) ∧ RivalOf(R, C)] ⇒ Unethical(B)

1. ∀X, ∀Y,

CompetitorOf(X, Y) ⇔ RivalOf(X, Y)

1. ∀T, ∀C,

DevelopedBy(T, C) ∧ IsSmartPhone(T) ⇒ Business(T)

**Q1.2**

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Exercise 2: The Royal Family

**Q2.1**

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图形用户界面, 文本, 应用程序

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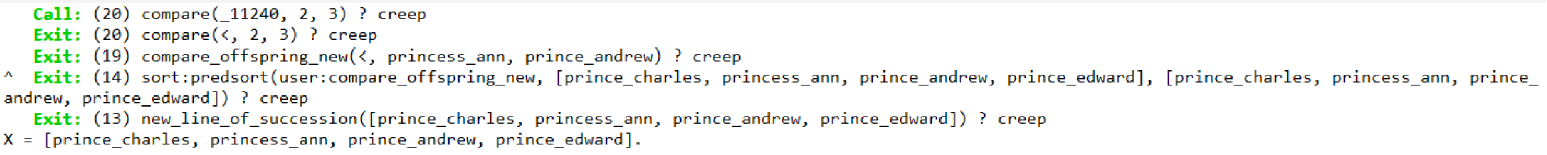
**Q2.2**

**图形用户界面, 文本

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**文本

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