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ICT337: Big Data Computing in the Cloud

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**Question 1**

**(a)**

**(b)**

**Question 2**

**Dependencies**

**Main Application Logic**

**Question 3**

**Full PySpark Program**

**(a)**

***Script Constants Snippet***

***Script Functions Snippet***

***Script Main Function Snippet***

***Output Screenshot***

**(b)**

***Script Constants Snippet***

***Script Functions Snippet***

***Script Main Function Snippet***

***Output Screenshot***

**(c)**

***Script Constants Snippet***

***Script Functions Snippet***

***Script Main Function Snippet***

***Output Screenshot***

**(d)**

***Script Constants Snippet***

***Script Functions Snippet***

***Script Main Function Snippet***

***Output Screenshot***

**(e)**

***Script Constants Snippet***

***Script Functions Snippet***

***Script Main Function Snippet***

***Output Screenshot***

**(f)**

***Script Constants Snippet***

***Script Functions Snippet***

***Script Main Function Snippet***

***Output Screenshot***

**Question 4**

**Full PySpark Program**

**(a)**

***Script Constants Snippet***

***Script Functions Snippet***

***Script Main Function Snippet***

***Output Screenshot***

**(b)**

***Script Constants Snippet***

***Script Functions Snippet***

***Script Main Function Snippet***

***Output Screenshot***

**(c)**

***Script Constants Snippet***

***Script Functions Snippet***

***Script Main Function Snippet***

***Output Screenshot***

**(d)**

***Script Constants Snippet***

***Script Functions Snippet***

***Script Main Function Snippet***

***Output Screenshot***

**(e)**

***Script Constants Snippet***

***Script Functions Snippet***

***Script Main Function Snippet***

***Output Screenshot***

**(f)**

***Script Constants Snippet***

***Script Functions Snippet***

***Script Main Function Snippet***

***Output Screenshot***