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AI-generated content may be incorrect.

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**Task Week: 02**

**Internship Domain: Python Development**

**Instructor Name: Mr.Hassan Ali**

**Tasks: Data Structure & Functions**

**Task no:01**

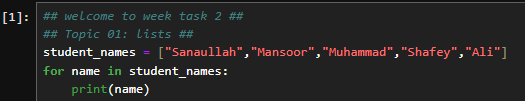
* **Lists:**

**Question:**

Store 5 student names & print each?

**Answer:**

**Code Snippett:**



**Output Snippett:**

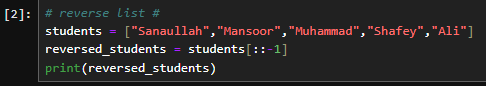


**Question:**

Reverse list without reverse()?

**Answer:**

**Code Snippett:**



**Output Snippett:**



**Task no:02**

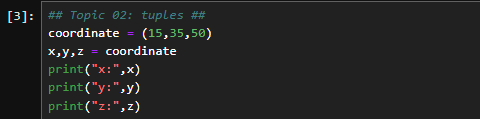
* **Tuples:**

**Question:**

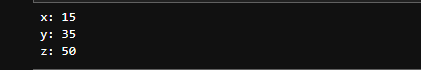
Store 3 coordinates & unpack?

**Answer:**

**Code Snippett:**



**Output Snippett:**

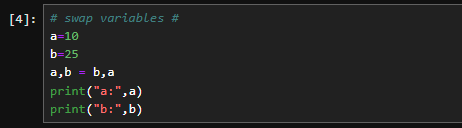


**Question:**

Swap vars using tuple assignment?

**Answer:**

**Code Snippett:**



**Output Snippett:**



**Task no:03**

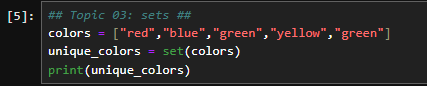
* **Sets:**

**Question:**

Remove duplicates from list?

**Answer:**

**Code Snippett:**



**Output Snippett:**

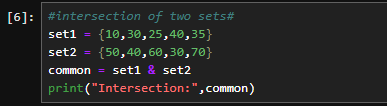


**Question:**

Find intersection of two sets?

**Answer:**

**Code Snippett:**



**Output Snippett:**



**Task no:04**

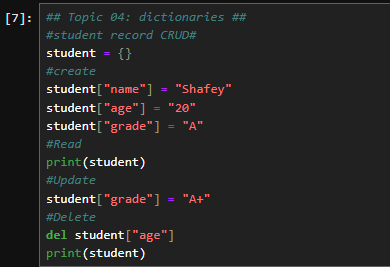
* **Dictionaries:**

**Question:**

Student record CRUD in dict?

**Answer:**

**Code Snippett:**



**Output Snippett:**

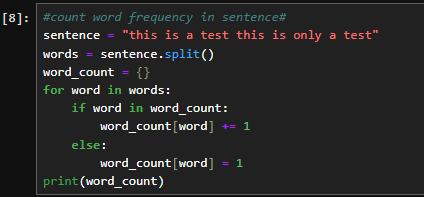


**Question:**

Count word frequency in sentence?

**Answer:**

**Code Snippett:**



**Output Snippett:**



**Task no:05**

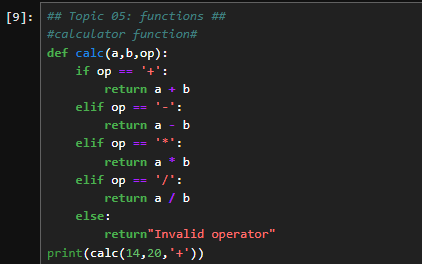
* **Functions:**

**Question:**

Write calc(a,b,op)?

**Answer:**

**Code Snippett:**



**Output Snippett:**

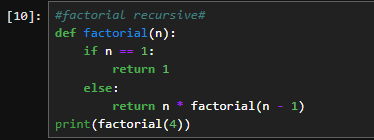


**Question:**

Write factorial(n) recursive?

**Answer:**

**Code Snippett:**



**Output Snippett:**



**Task no:06**

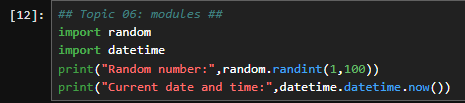
* **Modules:**

**Question:**

Use random & datetime in script?

**Answer:**

**Code Snippett:**



**Output Snippett:**



**Question:**

Create math\_utils module & import?

**Answer:**

**Code Snippett:**



**Output Snippett:**



**Task no:07**

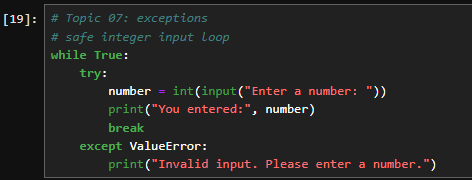
* **Exceptions:**

**Question:**

Safe int input loop?

**Answer:**

**Code Snippett:**



**Output Snippett:**

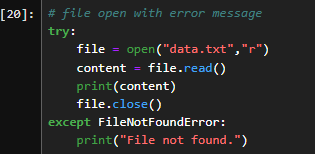


**Question:**

File open with error message?

**Answer:**

**Code Snippett:**



**Output Snippett:**



**Task no:08**

**Question:**

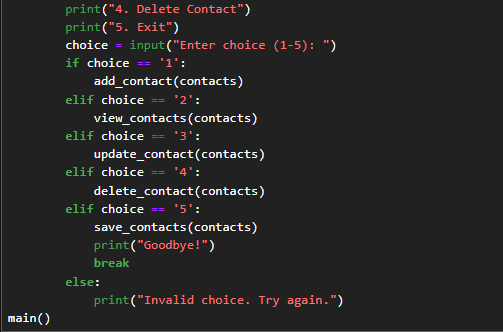
Phonebook App: CRUD contacts dict <-> JSON file storage?

**Answer:**

**Code Snippett:**







**Output Snippett:**

