

## DAILY ASSESSMENT REPORT

Date:	19 May 2020	Name:	Gagan M K
Course:	TCS-IONCAREEREDGE	USN:	4AL17EC032
Topic:	1.Gain guidance from career gurus 2.Writing a winning resume 3. Stay ahead in group discussion	Semester & Section:	6 <sup>th</sup> sem & 'A' sec
Github Repository:	Alvas-education-foundation/Gagan-Git		

### FORENOON SESSION DETAILS

#### Image of session

**Gagan M K**  
Status : Pass  
Assessment Date : 19-05-2020 11:52:29 (GMT+05:30)  
Performance Level : **High** 🕒

<b>9.00</b> Your Total Score	<b>10.00</b> Assessment Score	<b>4.00</b> Cut-Off marks (Pass Marks)	<b>90.00</b> Your Percentage	<b>H</b> Performance Category
---------------------------------	----------------------------------	---	---------------------------------	----------------------------------

**Gagan M K**  
Status : Pass  
Assessment Date : 19-05-2020 12:35:52 (GMT+05:30)  
Performance Level : **Excellent** 🕒

<b>10.00</b> Your Total Score	<b>10.00</b> Assessment Score	<b>4.00</b> Cut-Off marks (Pass Marks)	<b>100.00</b> Your Percentage	<b>E</b> Performance Category
----------------------------------	----------------------------------	---	----------------------------------	----------------------------------

**Report – Report can be typed or hand written for up to two pages.**

### **HEADSTART:**

- Learnt why we need a head start.
- Intensive competition
- Talent Acquisition
- Employable skills
- Changing job roles
- Employment outlook – positive.

### **6 Key pillars to get a head start:**

- Clarity of thoughts
- Access and visibility
- Early Preparation
- Acquire relevant skills
- Compelling resume
- Cracking the interview.

### **Resume and cover letter:**

- The Resume should be crisp and to the point
- The resume should be clear about your carrier objectives, skills, abilities and what you are looking for.
- Choose the format or style that is best suited for your profile.
- Do not lie in the resume.
- Be proud of your achievements and experience as the resume is YOU on paper.
- A cover letter gives initial impression of you.
- A cover letter expresses points that your resume might not cover.

### **Group discussion:**

- A group discussion is not a debate.
- To be aware of your body language.
- To keep a check on your tone of voice and the language used.
- To update yourself with current information.
- Not to panic.
- To maintain formal decorum.

Date:	19 May 2020	Name:	Gagan M K
Course:	The Python Mega Course	USN:	4AL17EC032
Topic:	The Basics: Processing User Input, The Basics: Loops, Putting the Pieces Together: Building a Program, List Comprehensions, More on Functions, File Processing	Semester & Section:	6 <sup>th</sup> sem & 'A' sec

## AFTERNOON SESSION DETAILS

Image of session:

**Udeemy** | The Python Mega Course: Build 10 Real World Applications

★ Leave a rating    🟢 Your progress    ➦ Share    ⓘ

### Summary: File Processing

In this section you learned that:

- You can **read** an existing file with Python:

```
1 with open("file.txt") as file:
2     content = file.read()
```

- You can **create** a new file with Python and **write** some text on it:

```
1 with open("file.txt", "w") as file:
2     content = file.write("Sample text")
```

- You can **append** text to an existing file without overwriting it:

**Course content**

- (E)
- ✓ Coding Exercise 46: File Processing Inside Function (E)
- ✓ 74. Opening Files Using "with" 2min
- ✓ 75. Different Filepaths 1min
- ✓ 76. Writing Text to a File 4min
- ✓ Coding Exercise 47: Write Snail (E)
- ✓ Coding Exercise 48: Write First 90 (E)
- ✓ 77. Appending Text to an Existing File 4min
- ✓ Coding Exercise 49: Read and Append (E)
- ✓ Coding Exercise 50: Copy n-times (E)
- ✓ 78. Summary: File Processing 1min
- Section 12: Imported Modules** 0 / 5 | 24min

**About this course**

A complete Python course for both beginners and intermediates! Master Python 3 by making 10 amazing Python apps.

**Report – Report can be typed or hand written for up to two pages.**

## Processing User Input:

- A Python program can get **user input** via the `input` function:
- The **input function** halts the execution of the program and gets text input from the user:
- The input function converts any **input to a string**, but you can convert it back to int or float:

```
experience_months = input("Enter your experience in months: ")
```

```
experience_years = int(experience_months) / 12
```

- You can **format strings** with (works both on Python 2 and 3):

```
name = "Sim"
```

```
experience_years = 1.5
```

```
print("Hi %s, you have %s years of experience." % (name, experience_years))
```

Output: `Hi Sim, you have 1.5 years of experience.`

- You can also **format strings** with (Python 3 only):

```
name = "Sim"
```

```
experience_years = 1.5
```

```
Print("Hi {}, you have {} years of experience".format(name, experience_years))
```

## Loops:

- **For loops** are useful for executing a command over a large number of items.
- You can loop over **dictionary keys**:

```
phone_numbers = {"John Smith":"+37682929928","Marry Simpons":"+423998200919"}
```

```
for value in phone_numbers.keys():
```

```
print(value)
```

- You can loop over **dictionary values**:

```
phone_numbers = {"John Smith":"+37682929928","Marry Simpsons":"+423998200919"}

for value in phone_numbers.values():

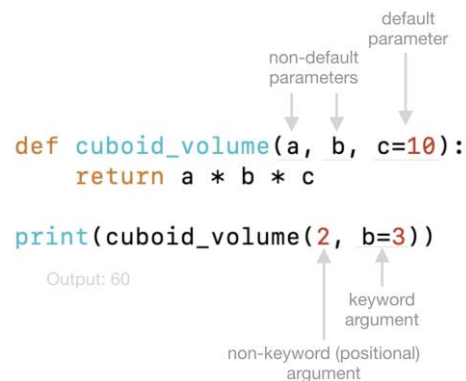
    print(value)
```

## List Comprehensions:

- A list comprehension is an expression that creates a list by iterating over another container.
- A **basic** list comprehension:
  - `[i*2 for i in [1, 5, 10]]`
- List comprehension with **if** condition:
  - `[i*2 for i in [1, -2, 10] if i>0]`
- List comprehension with an **if and else** condition:
  - `[i*2 if i>0 else 0 for i in [1, -2, 10]]`

## More on Functions:

- Functions can have more than one **parameter**:
- Functions can have **default** parameters
- Arguments can be passed as **non-keyword** (positional) arguments or **keyword** arguments
- An **\*args** parameter allows the function to be called with an arbitrary number of non-keyword arguments
- An **\*\*kwargs** parameter allows the function to be called with an arbitrary number of keyword arguments.



```
def cuboid_volume(a, b, c=10):
    return a * b * c

print(cuboid_volume(2, b=3))
```

Output: 60

Annotations:

- `a`: non-default parameter
- `b`: non-default parameter
- `c=10`: default parameter
- `2`: non-keyword (positional) argument
- `b=3`: keyword argument

## File Processing:

- You can **read** an existing file with Python:

```
with open("file.txt") as file:  
    content = file.read()
```

- You can **create** a new file with Python and **write** some text on it:

```
with open("file.txt", "w") as file:  
    content = file.write("Sample text")
```

- You can **append** text to an existing file without overwriting it:

```
with open("file.txt", "a") as file:  
    content = file.write("More sample text")
```

- You can both **append and read** a file with:

```
with open("file.txt", "a+") as file:  
    content = file.write("Even more sample text")  
    file.seek(0)  
    content = file.read()
```