

DAILY ASSESSMENT FORMAT

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Course:	Python	USN:	4AL15EC045
Topic:	Introduction, Small basic program and data types.	Semester & Section:	8th-A
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AFTERNOON SESSION

Image of Session-

you this program and we are going to make it much more advanced than this in the course.

1. Python IDE

2. Python installation setup

3. Visual Studio installation setup

4. Running basic codes in Visual Studio

Report –

First, I learnt about what is, why and how simple is python. How to install Python IDE in windows.

How to install Visual Studio. How to run python code or .py files using commands.

- Python 3 and the Visual Studio Code IDE in the videos.
- A quick way to execute Python code to see how it works.
- You can make a program that shows the current date and time using these lines of code:

```
import datetime
x = datetime.datetime.now()
print(x)
```

In the variable and data type section I learnt these many programs to find or to know how to feed

different types of data types variables in python programming.

- **Integers** are for representing whole numbers:

```
rank = 10
eggs = 12
people = 3
```

- **Floats** represent continuous values:

```
temperature = 10.2
rainfall = 5.98
elevation = 1031.88
```

- **Strings** represent any text:

```
message = "Welcome to our online shop!"
name = "John"
serial = "R001991981SW"
```

- **Lists** represent arrays of values that may change during the course of the program:

```
members = ["Sim Soony", "Marry Roundknee", "Jack Corridor"]
pixel_values = [252, 251, 251, 253, 250, 248, 247]
```

- **Dictionaries** represent pairs of keys and values:

```
phone_numbers = {"John Smith": "+37682929928", "Marry Simpons": "+423998200919"}
volcano_elevations = {"Glacier Peak": 3213.9, "Rainer": 4392.1}
```

- **Keys** of a dictionary can be extracted with:

```
phone_numbers.keys()
```

- **Values** of a dictionary can be extracted with:

```
phone_numbers.values()
```

- **Tuples** represent arrays of values that are not to be changed during the course of the program:

```
vowels = ('a', 'e', 'i', 'o', 'u')
one_digits = (0, 1, 2, 3, 4, 5, 6, 7, 8, 9)
```

- To find out what **attributes** a type has:

```
dir(str)
dir(list)
dir(dict)
```

- To find out what Python **builtin functions** there are:

```
dir(__builtins__)
```

- **Documentation** for a Python command can be found with:

```
help(str)
help(str.replace)
help(dict.values)
```