

# Python Basics Assignment

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Date: 21-02-2016

## Question 1 - Simple Message

store a message in a variable and print it.

```
In [1]: message = "Welcome to Python!"  
print(message)
```

Welcome to Python!

## Question 2 - Changing Message

store a message, print it, then change it and print again.

```
In [2]: message = " I love coding."  
print(message)  
  
message = "Python is amazing."  
print(message)
```

I love coding.  
Python is amazing.

## Question 3 - Personal Message

store a person's name and print a personalized message.

```
In [3]: name = "Mahesh"  
print(f"Hello {name}, would you like to learn some python today?")
```

Hello Mahesh, would you like to learn some python today?

## Question 4 - Famous Quote

print a quote and the author's name.

```
In [4]: print('A. P. J. Abdul Kalam once said, "Dream is not what you see in sleep, it i
```

A. P. J. Abdul Kalam once said, "Dream is not what you see in sleep, it is the thing which doesn't let you sleep."

## Question 5 - Famous Quote Using Variable

Store the author's name in a variable and print the quote.

```
In [5]: famous_person = "A. P. J. Abdul Kalam"
message = famous_person + ' once said, "Dream is not what you see in sleep, it is
print(message)
```

A. P. J. Abdul Kalam once said, "Dream is not what you see in sleep, it is the thing which doesn't let you sleep."

## Question 6 – Number 8

Perform addition, subtraction, multiplication, and division that result in 8.

```
In [6]: print(5 + 3)
print(10 - 2)
print(4 * 2)
print(16/2)
```

8  
8  
8  
8.0

## Question 7 – Favorite Number

Store your favorite number and print a message.

```
In [7]: favorite_number = 7
print("My favorite number is", favorite_number)
```

My favorite number is 7

## Question 8 – Comments in Programs

Choose two programs written earlier and add at least one comment explaining what the program does.

```
In [8]: # This program prints a simple welcome message
message = "Welcome to Python!"
print(message)
```

```
# This program performs operations that result in number 8
print(5 + 3)
print(10 - 2)
print(4 * 2)
print(16 / 2)
```

Welcome to Python!  
8  
8  
8  
8.0

## Question 9 – Names in a List

Store the names of a few friends in a list and print each name by accessing each element.

```
In [9]: names = ["Rahul", "Amit", "Suresh", "Vikas", "Satish", "Ravi", "Virender"]

for name in names:
    print(name)
```

```
Rahul
Amit
Suresh
Vikas
Satish
Ravi
Virender
```

## Question 10 – Personalized Messages

Use the list from Question 9 and print a personalized message for each friend.

```
In [10]: names = ["Rahul", "Amit", "Suresh", "Vikas", "Satish", "Ravi", "Virender"]

for name in names:
    print("Hello " + name + ", hope you are doing well!")
```

```
Hello Rahul, hope you are doing well!
Hello Amit, hope you are doing well!
Hello Suresh, hope you are doing well!
Hello Vikas, hope you are doing well!
Hello Satish, hope you are doing well!
Hello Ravi, hope you are doing well!
Hello Virender, hope you are doing well!
```

## Question 11 – Favorite Mode of Transportation

Create a list of favorite vehicles and print statements about them.

```
In [11]: vehicles = ["Yamaha R15 bike", "Hyundai Verna", "Royal Enfield bike"]

for vehicle in vehicles:
    print("I would like to own a " + vehicle + ".")
```

```
I would like to own a Yamaha R15 bike.
I would like to own a Hyundai Verna.
I would like to own a Royal Enfield bike.
```

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**Assignment Completed Successfully** 

**Submitted by: Ghanghas Mahesh**

```
In [ ]:
```