

Topic: print()

1. Using the python print function print any string value, integer value, boolean value, float value in single print command

```
In [3]: print("hello" ,98 ,True ,98.5)
```

hello 98 True 98.5

2. Using the python print function print hyphen(-) separated any string value, integer value, boolean value, float value in single print command

```
In [4]: print("hello" ,98 ,True ,98.5 ,sep='-')
```

hello-98-True-98.5

3. Using the python print function print any string value, integer value, boolean value, float value in separate print command.

But every value must be space separated and in single line

```
In [6]: print("hello", end=' ')
print(98, end=' ')
print(True, end=' ')
print(98.5)
```

hello 98 True 98.5

4. Can a python print function take no value to print???

```
In [2]: print("")
```

TOPIC :Variables in Python Operators

5. One of my friends name is Mr. Ahmed. He is 30 years old. He is a lawyer by profession. He has done his bachelors in law in the year 2005. He is working with a reputable law firm 'The Himalya Associates' in Karachi since 2015.

He is a handsome lawyer with height of 5.10 feet and weight 70600g. His monthly income is Rs. 200k PKR.

Note: Create variables from above text and also assign values from the text.

```
In [10]: name = "Mr.Ahmed"
age = 30
profession = "lawyer"
education = "bachelors"
graduation_year = 2005
company_name = "The himalya associates"
company_location = "karachi"
joining_year = 2015
height_Ft = 5.10
weight_g = 70600
monthly_income = 200000
```

6)How many years has been to Mr. Ahmed after his bachelors degree? Create a variable that hold current year value and then subtract it from his passout year

```
In [8]: current_year = 2024
current_year - graduation_year
```

```
Out[8]: 19
```

7. How many years has Mr. Ahmed been working with law firm 'The Himalya Associates'. Create necessary variables and print the correct number of years in working in the firm

```
In [11]: current_year - joining_year
```

```
Out[11]: 9
```

8)Convert the monthly income of Mr. Ahmed in dollars. Create necessary variables and print the income in dollars.

```
In [17]: dollar = 277
```

```
monthly_income_dollars = monthly_income / dollar
```

9. Check if the income in dollars is a float or integer value. if it is float, re-write the code so that income gets converted in integer. print the income in integer type value

```
In [20]: type(monthly_income_dollars)
monthly_income_dollars = monthly_income // dollar
print(monthly_income_dollars)
```

722

- 10) Print the type of Mr. Ahmed's weight. Convert the weight of Mr. Ahmed in kg so that weight must be a integer value.

```
In [21]: #11) print the year of birth of Mr. Ahmed.
```

```
In [ ]:
```

```
In [23]: type(weight_g)
weight_g = weight_g // 1000
print(weight_g,"kg")
```

70 kg

12. Can Rs. 100 be divided equally among 6 students?

HINT: % operator (modulo)

```
In [26]: 100 % 6
# 10 is completely divisible by2
# 10 is multiple of 2
# 2 is a factor of 10
# 10 comes in table of 2
```

```
Out[26]: 4
```

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```
In [ ]:
```

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