

Topic: print()

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

```
In [4]: print("Hello",12,True,12.3)
```

```
Hello 12 True 12.3
```

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

```
In [2]: print("Hello",12,True,12.3, sep="-")
```

```
Hello-12-True-12.3
```

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 [7]: print("Hello",end=" ")
print(12,end=" ")
print(False,end=" ")
print(56.78)
```

```
Hello 12 False 56.78
```

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 lawer 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 lawer with height of 5.10 feets and weight 70600g. His monthly income is Rs. 200k PKR.

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

```
In [2]: name="Ahmed"
age=30
profession= "Lawyer"
grad_year= 2005
company_name= "The Himalya Associates"
join_year= 2015
height_ft= 5.10
weight=70600
monthly_income= 200000
rate=0.0036
```

- 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 [5]: current_year=2024
print(current_year - grad_year)
```

```
19
```

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

```
In [6]: current_year - join_year
```

```
Out[6]: 9
```

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

```
In [4]: monthly_income=monthly_income*rate
print(monthly_income)
```

```
720.0
```

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 [6]: monthly_income=int(monthly_income)
print(monthly_income)
type(monthly_income)
```

```
720
```

```
Out[6]: int
```

- 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 [20]: print(type(weight))
weight=weight//1000
print(weight)
```

```
<class 'int'>
```

```
70
```

```
In [12]: #11) print the year of birth of Mr. Ahmed.
print(current_year-age)
```

```
1994
```

```
In [ ]: #type your code here
```

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

HINT: % operator (modulo)

```
In [8]: 100%6==0
# 10 is completely divisible by2
# 10 is multiple of 2
# 2 is a factor of 10
# 10 comes in table of 2
```

```
Out[8]: False
```

```
In [1]: name = input("Enter your name: ")
course = input("Enter your course: ")
days = input("Enter days of class: ")
ID = input("Enter your ID")
print("\t Saylani Mass IT")
print(f" Name      : {name}\n Course : {course}\n Days   : {days}\n ID       : {ID}")
```

```
        Saylani Mass IT
Name    : Hammad
Course  : Ai and DS
Days    : Tuesday and Thursday
ID      : Ai - 334211
```

In []: