Assignment-01

November 25, 2024

1 Assignment 1

1.1 Print()

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

`[1]:`

```
Hello 12 True 12.3
```

`[1]:` `print("I am Muhammad Abbas", 21 , 21>20 , 65.32)`

```
I am Muhammad Abbas 21 True 65.32
```

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

`[2]:`

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

`[2]:` `print("Muhammad Abbas", 21, 21>=15, 66.67, sep="-")`

```
Muhammad Abbas-21-True-66.67
```

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

`[7]:`

```
Hello 12 False 56.78
```

`[3]:` `print("Hello World!", 32, 34<40, 45.89, sep=" ")`

```
Hello World! 32 True 45.89
```

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

Answer: Yes, python print function can take no value and just print a new line like,

`[4]:` `print()`

1.2 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.

```
[5]: name = "Mr. Ahmed"
     age = 30
     profession = "lawer"
     degree_year = 2005
     hight = 5.10
     weight = 70600
     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 ?

```
[10]:
```

```
[10]: 19
```

```
[6]: current_year = 2024
     passout_year = 2005

     print("Degree Time:", current_year-passout_year)
```

```
Degree Time: 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

```
[11]:
```

```
[11]: 9
```

```
[8]: current_year = 2024
     job_start_year = 2015

     print("Working Year:", current_year-job_start_year)
```

```
Working Year: 9
```

```
[ ]:
```

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

```
[11]: incomes = 200000

      print("Incomes in dollars:", incomes//280,'$')
```

Incomes in dollars: 714 $

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

```
[ ]:
```

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.

```
[12]: print(type(weight))
```

<class 'int'>

```
[13]: print("weight in KG:" , weight//1000, "Kg")
```

weight in KG: 70 Kg

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

[22]: 1994

```
[14]: #type your code here
      print("Year Of Birthday:" , current_year-age)
```

Year Of Birthday: 1994

12) Can Rs. 100 be divided equally among 6 students? HINT: % operator (modulo)

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

[ ]: 0

```
[15]: print(100%6)
```

4

Saylani Mass IT Name : Nasir Hussain Course : AI and DS Days : Tuesday and Thursday ID : AI - 332909

```
[19]: print("Saylani Mass IT\n",
            "Name   : Muhammad Abbas\n",
            "Course : AI and DS\n",
            "Days   : Tuesday and Thursday\n",
```

```
      "ID      : AI - 334891\n")
```

```
Saylani Mass IT
 Name    : Muhammad Abbas
 Course  : AI and DS
 Days    : Tuesday and Thursday
 ID      : AI - 334891
```

[ ]: