

CS50 Week 0

October 13, 2022

1 Functions, Variables

1.1 Print

```
[ ]: print("Hello Moatassem")
```

Hello Moatassem

1.2 Input

```
[ ]: name=input("What's your Name?")  
print(name)
```

Moatassem

1.3 Return Values and Variables

“number” is variable that will store the input data by the user then this value is returned to the print function in the line-2 to printed on the screen

```
[ ]: number= input("What's your favorite number?")  
print(number)
```

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1.4 Comments and Pseudocode

In python commenting is done by adding # before the start of the line

```
[ ]: #hey this one line comment in python
```

1.5 Multiple Function Arguments

1.5.1 Print Documentation

```
print(*objects, sep=' ', end='\n', file=sys.stdout, flush=False)
```

Link to documentation : <https://docs.python.org/3.10/library/functions.html#print>

objects term refers to unlimited number of arguments we can pass in the print functions

```
[ ]: name=input("What is your Name?")
      contact=923006172999
      print("Hello",name,contact) #passing 3 objects
```

Hello Moatassem 923006172999

sep='' this tells us that after each object '' a space will be printed on the output screen

```
[ ]: name=input("What is your Name?")
      print("Hello",name) #default
      print("Hello",name,sep='0000') #custom paramater
```

Hello Moatassem
Hello0000Moatassem

end='\n' it shows that after printing the statement it'll print the \n and this will move the curser to the next line

```
[ ]: name=input("What is your Name?")
      #default
      print("Hello")
      print(name)
      #custom parameter
      print("Hello",end='000')
      print(name)
```

Hello
Moatassem
Hello000Moatassem