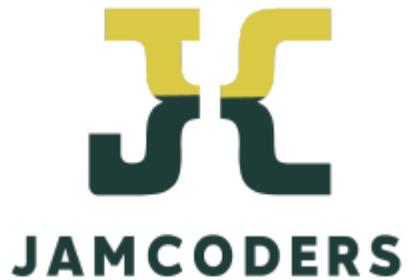




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Dr. Gunjan Mansingh  
Department of Computing  
UWI  
July 4- 29, 2022  
Week 2 - Day 1, Session 1

# Who am I?

- I did my B.Sc. in Mumbai India in Physics (major) and Computer Science (minor).
- I did my Masters and PhD from the University of the West Indies.
- I am currently head of the Department of Computing, UWI.
- I teach courses in Programming, AI, Data Analytics, Business Intelligence, Data Visualization ....

# while Loop: Example

---

```
#Find the square root of a given perfect square  
  
x= 16  
ans = 0  
while ans*ans < x:  
    ans = ans +1  
print (ans)
```

# for Loop: Example

---

Count number of even numbers in a given list

```
lst = [2,5,34,67,22,45,56]
nbr_even=0
for i in lst:
    if i%2 == 0:
        nbr_even = nbr_even +1
print(nbr_even)
```

# functions: Example

Function name

Parameters

```
def function_name(arg1, arg2):  
    if arg1 == "":  
        if arg2 == "":  
            return None  
        return arg1+" "+arg2
```

Print the value  
returned by the  
function

```
print(function_name("Hello", "again"))  
function_name("Hello", "again")
```

Run the function

# Understanding functions

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<https://runestone.academy/ns/books/published/fopp/Functions/Returningavaluefromafunction.html>