# Solution for session 3

#### 2)Write a program that helps avail the child benefit scheme to the government employees having a child younger

than 20 years of age.

parent\_occupation = "Government Emp"  
number\_of\_children = 2  
child1\_age = 15  
child2\_age = 25  
benefit = 0  
**if**(parent\_occupation == "Government Emp"):  
 **if**(number\_of\_children > 0):  
 **if**(child1\_age <= 20):  
 benefit += 1000  
 **if**(child2\_age <= 20):  
 benefit += 1000  
 **else**:  
 print("There is currently no policy for people with no children")  
**else**:  
 print("This facility is only for government employees")  
print("Total Benefit Availed :" + str(benefit))

Total Benefit Availed:1000

#### 3)Find the length of the list using len()

n = len([10, 20, 30,56])  
print("The length of list is: ", n)

The length of the list is: 4

#### 4)Get the characters from position 2 to position 5 (not included):

b = "Hello, World!"  
print(b[2:5])

#### 5)Get the characters:

From: "o" in "World!" (position -5)

To, but not included: "d" in "World!" (position -2):

b = "Hello, World!"  
print(b[-5:-2])

#### 6)if a is greater than b print true using comparison and Boolean operator

a=12  
b=10  
**if** a>b:  
 print("true")  
**else**:  
 print("false")

true

#### 7)Find the exponential of 4 to the power 3

x = 4  
y = 3  
  
print(x \*\* y)

64

#### 8) Question-based on <= operator

x = 3  
y = 3  
  
print(x <= y)

True

#### 9)Question based on modulus

x = 5  
y = 2  
  
print(x % y)

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