course = "Lamin B Sanyang"  
print('Lamin' in course)  
  
print(10\*\*3)  
x=5  
x=x+4  
print(x)  
  
y=(6+2)\*5  
print(y)  
  
m = 5>2  
print(m)  
a = 2>8  
print(a)  
  
c = 4==5  
print(c)  
v = 7<=8  
print(v)  
f = 2!=4  
print(f)  
  
price = 5  
print( not price > 20)  
  
temperature = 25  
if temperature>30: #(20, 30]  
 print("it is a hot day")  
 print("Drink lots of water")  
  
elif temperature>10:  
 print("It is winter")  
else:  
 print("It is otherwise")  
  
# i = 1  
# while i <=1\_0:  
# print(i \* "\*")  
# i=i+1  
# names = ["Lamin", "Fatou", "Ajie", "Ertugrul", "Osman"]  
# names[1] = "F2"  
# print(names [0:3])  
#  
# numbers = [1,2,3,4,5,6,]  
# for item in numbers:  
# print(item)  
# numbers = range(5, 10, 2)``````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````  
# for numbers in numbers:  
# print(numbers)  
  
  
print("done")  
  
number = 2.6  
name = True  
print(type(name))  
#camel casing\_First letter small and second capital  
userName = 'Lamin'  
#Pascal casing\_First letter capital and second capital  
UserName = "Lamin"  
#snake casing\_ Underscore between the first and second or at the starting and even between  
  
  
#Multiple variables  
# x, y, z = "python", "javascript", "R language"  
# print(x)  
# print(z)  
# print(y)  
  
#Global variables and local variales- access everywhere and within a function  
name = "LBSrgklh"  
# def myfunction():  
# print(name)  
# myfunction()  
# #w3school  
#  
#  
# import cmath  
# a = int(input("Enter the value of A:"))  
# b = int(input("Enter the value of B:"))  
# c = int(input("Enter the value of C:"))  
#  
# u = b\*\*2 - 4 \* a \* c  
# xOne = (-b + cmath.sqrt(u))/(2 \* a)  
# xTwo = (-b - cmath.sqrt(u))/(2 \* a)  
#  
# print(f'the value of x1 = {xOne}\n the value of x2 = {xTwo}')  
  
print(4> 5)  
  
  
# x = 6  
# y = 10  
#  
# if x>y:  
# print("Hello world")  
# else:  
# print("Good bye")  
  
  
# course = input("Enter the course name: ")  
# mark = float(input("Enter the mark"))  
  
# if mark >= 90:  
# print("A+")  
# elif mark>=80:  
# print("A")  
# elif mark>=70:  
# print("A-")  
# else:  
# print("fail")  
  
# Body\_weight = int(input("Enter your body weight: "))  
# Height = int(input("Enter your height: "))  
# BMI = Body\_weight / Height  
#  
# if Body\_weight>=78:  
# print("Visit the Gem")  
# elif Height>=50:  
# print("You are good to go")  
  
# value = int(input("Enter the number: "))  
# if value %2 == 0:  
# print("Even number")  
# elif value %2==1:  
# print("Odd number")  
# else:  
# print("Prime number")  
  
# u\_lim = 2700  
# l\_lim = 1500  
# for i in range(l\_lim,u\_lim):  
# if i%7 == 0 and i%5 == 0:  
# print(i)  
  
  
# c = float(input("Enter temperature in celsius: "))  
# f = 9/5\*c + 32  
#  
# print(c, "celsius is equal to", f, "fahrenheit")  
  
# f = float(input("Enter temperature in fahrenheit: "))  
# c = (f -32)\*5/9  
# print(f, "fahrenheit is equal to", c, "celsius")  
  
# list\_of\_numbers = [1, 2, 3, 4, 5, 6, 7, 9, 9, 10]  
# for x in list\_of\_numbers:  
# print(x)  
  
  
# people\_in\_class = []  
# for x in range(1500, 2700):  
# if (x%7 == 0) and (x%5 == 0):  
# people\_in\_class.append(x)  
# print(people\_in\_class)  
  
  
  
#List or Array  
# school\_in\_utg = ["SBPA", "LAW","SBPA", "Journalism"]  
#  
# print(school\_in\_utg[-1])  
# print(len(school\_in\_utg))  
# print(school\_in\_utg)  
# print(school\_in\_utg[3:4])  
#  
# school\_in\_utg.append("Medicine")  
# print(school\_in\_utg)  
# school\_in\_utg[1] = "Lamin"  
# print(school\_in\_utg)  
#  
# school\_in\_utg[1] = "AESSA"  
# print(school\_in\_utg)  
#Nested array  
  
# school\_in\_utg = ["SBPA", "LAW","SBPA", "Journalism"]  
# print(school\_in\_utg[1][0])  
# school\_in\_utg.remove("Journalism")  
# print(school\_in\_utg)  
# school\_in\_utg.insert(3, "SAS")  
# print(school\_in\_utg)  
# school\_in\_utg.sort()  
# print(school\_in\_utg)  
# print(names[0], names[1], names[-1])  
# names.sort()  
# print(names)  
# print(len(names))  
  
  
names = ["Alieu", "Abubacarr", "Mahmud", "Mariama", "Jawo", "Ebrima", "Jainaba"]  
del names[0]  
del names[2]  
names.sort()  
print(names)  
print(names)  
names.reverse()  
print(names)  
  
my\_list = [50, [20, 5, 7], 30, [10, 40], 15, 4]  
# my\_list.sort()  
# print(my\_list)  
# my\_list.reverse()  
# print(my\_list)  
my\_list.append([4, 40, 7])  
print(my\_list)  
  
#Tooples=()//////list=[]  
my\_toople = ("A", "B", "C", "D", "E", "F")  
# print(type(my\_toople))  
# print(len(my\_toople))  
# print(my\_toople[2])  
# print(my\_toople[1:3])  
# my\_toople = list(my\_toople)  
# my\_toople[0] = "Z"  
# print(my\_toople)  
# if "A" in my\_toople:  
# print("Available")  
# else:  
# print("Not")  
  
  
# # number = (1,2,3,4,5)  
# print(type(number))  
school\_in\_utg = ("SBPA", "LAW","SBPA", "Journalism")  
  
# my\_list = list(school\_in\_utg)  
# print(type(my\_list))  
#  
# my\_list[1]="LBS"  
# school\_in\_utg = my\_list  
#  
# print(school\_in\_utg)  
#  
# my\_tuple = ("Gomindz", "Zigtech", "Asotech", "Interlink")  
# print(my\_tuple[1])  
#  
# print(my\_tuple[0:2])  
# my\_register=list(my\_tuple)  
# my\_register[1]="Microsoft"  
# print(my\_register)  
  
  
# if "Gomindz" in my\_tuple:  
# print("available")  
# else:  
# print("not available")  
#  
# if "Interlink" in my\_tuple:  
# print("available")  
# else:  
# print("not available")  
  
my\_set = {1, 2, 3,4,5,6,7}  
# print(type(my\_set))  
# my\_set.remove(1)  
# print(my\_set)  
# my\_set.add(1)  
# print(1)  
# print(my\_set)  
#  
# for LBS in my\_set:  
# print(LBS)  
#  
# if 8 in my\_set:  
# print("available")  
# else: print("Not available")  
#  
my\_thinking = {1, 2, 9, 10, 11, 12}  
# my\_set.update(my\_thinking)  
# print(my\_set)  
# my\_set.discard(2)  
# print(my\_set)  
# Var = my\_set.pop()  
# print(my\_set)  
x = my\_set.union(my\_thinking)  
print(x)  
  
# y = my\_set.intersection(my\_thinking)  
# print(y)  
# my\_set.intersection\_update(my\_thinking)  
# print(my\_set)  
#  
#  
#  
# my\_set.symmetric\_difference\_update(my\_thinking)  
#  
# l = my\_set.symmetric\_difference(my\_thinking)  
# print(l)  
#  
# They store in value pairs  
#  
my\_dictionary = {"name": "LBS", "age": 23, "address": "T-Town"}  
# print(type(my\_dictionary))  
# print(len(my\_dictionary))  
# print(my\_dictionary)  
# print(my\_dictionary["age"])  
#  
# if "age" in my\_dictionary:  
# print("available")  
# else:  
# print("not available")  
# x = my\_dictionary.get("name")  
# print(x)  
# my\_dictionary["name"] = "Lamin"  
# print(my\_dictionary)  
# my\_dictionary.update({"gender": "Male"})  
# print(my\_dictionary)