ARTIFICIAL INTELLIGENCE – WORK SHEET – Python by **_MUTHU KRISHNAN (CI)_**
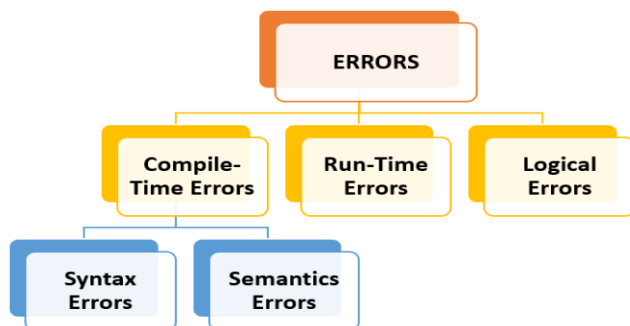
Finding errors in python program

Correct program	Find the error this side
name=input("enter your name: ") fathername=input("enter your father name: ") classno=int(input("enter a class: ")) schoolname=input("enter your schoolname: ") print("Name",name) print("Father name",fathername) print("class",classno) print("School name:",schoolname)	name=int(input("enter your name: ")) fathername=int(input("enter your father name: ")) classno=int(input("enter a class: ")) schoolname=int(input("enter your schoolname: ")) print("Name"name) print("Father name",fathername) print("class,classno) Print("School name:",schoolname)

Correct program	Find the error this side
num=int(input("enter a number: ")) square=num*num print("square of the given number is =",square)	num=int(input("enter a number: ")) square=num x num print("square of the given number is =",num*num)

Correct program	Find the error this side
a=15 b=20 sum=a+b print("sum of 15 & 20 is =",sum)	int a=15 int b=20 sum==a+b print("sum of 15 & 20 is =",sum

Correct program	Find the error this side

num = int(input("Display multiplication table of 5 "))
for i in range(1, 6):
  print(num, 'x', i, '=', num*i)
	num = int(input("Display multiplication table of 5 ")
	For i in ranges(1, 6)
	  print(num, 'x', i, '=', num*i)

Correct program	Find the error this side
principal = float(input("Enter the principal amount: ")) rate = float(input("Enter the interest rate: ")) time = float(input("Enter the time period in years: ")) interest = (principal * rate * time) / 100 print("Simple Interest:", interest)	principal = (input("Enter the principal amount: ")) rate = float(input("Enter the interest rate: ") time = float(("Enter the time period in years: ")) interest = principal * rate * time\ 100 print("Simple Interest:", interest)

What is syntax error and logical error in Python?

Whenever we do not write the proper syntax of the Python programming language (or any other language) then the python interpreter throws an error known as a syntax error. On the other hand, Logical Errors are those errors that cannot be caught during compilation time.