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| A picture containing drawing, stop, room  Description automatically generated | Artificial Intelligence  Practical #9 | | |
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| **Subject/Course:** | **Artificial Intelligence** | | |
| **Topic** |  | | |
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| 1. Derive the expressions based on Associative law | | | |
| **Code in Python**  a=int(input("Enter first number :"))  b=int(input("Enter second number: "))  c=int(input("Enter third number: "))    lhs = a\*(b-c)  rhs = a\*b - a\*c    if lhs==rhs:  print("LHS equal to RHS. Associate Law Verified")  else:  print("LHS is not equal to RHS. Not Associate Law Verified")  **Output in Python** | | | |
| 1. Derive the expressions based on Distributive law | | | |
| **Code in Python**  a=int(input("Enter first number :"))  b=int(input("Enter second number: "))  c=int(input("Enter third number: "))  lhs = a\*(b-c)  rhs = a\*b - a\*c    if lhs==rhs:  print("LHS equal to RHS. Distributed Law verified")  else:  print("LHS is not equal to RHS. Not Distributed Law verified")  **Output in Python** | | | |
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