## **EXPERIMENT-2**

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Course: CSA1789 Artificial Intelligence

Q) Write a python program to Add Two Matrices

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Program:
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```
a=[]
n=int(input("Enter number of order"))
print("Enter elements:")
for i in range(n):
  row=[]
  for j in range(n):
     row.append(int(input()))
  a.append(row)
print(a)
print("Matrix form:")
for i in range(n):
  for j in range(n):
     print(a[i][j],end=" ")
  print()
n1=int(input("Enter number of order"))
print("Enter elements:")
for i in range(n1):
  row1=[]
  for j in range(n1):
     row1.append(int(input()))
  b.append(row1)
print(b)
print("Matrix form:")
for i in range(n1):
  for j in range(n1):
     print(b[i][j],end=" ")
  print()
result=[[0,0,0],[0,0,0],[0,0,0]]
for i in range(n):
  for j in range(len(a[0])):
    result[i][j]=a[i][j]+b[i][j]
print("Sum of two matices is:")
for r in result:
  print(r)
```

## OUTPUT:

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