```python
In [1]:  # polymorphism

         class India:
             def capital(self):
                 print("New Delhi is the capital of India.")

             def currency(self):
                 print("Indian National Rupee is the currency of India.")

             def bird(self):
                 print("Peacock is the National Bird of India.")

         class Australia:
             def capital(self):
                 print("Canberra is the capital of Australia.")

             def currency(self):
                 print("Australian Dollar is the currency of Australia.")

             def bird(self):
                 print("Emu is the National Bird of Australia.")

         class USA:
             def capital(self):
                 print("Washington D.C. is the capital of USA.")

             def currency(self):
                 print("US Dollar is the currency of USA.")

             def bird(self):
                 print("Eagle is the National Bird of USA.")


         a = India()
         b = Australia()
         c = USA()

         lis = [a, b, c]


         for x in lis:
             x.capital()
             x.currency()
             x.bird()
             print("\n")
```

```
New Delhi is the capital of India.
Indian National Rupee is the currency of India.
Peacock is the National Bird of India.


Canberra is the capital of Australia.
Australian Dollar is the currency of Australia.
Emu is the National Bird of Australia.


Washington D.C. is the capital of USA.
US Dollar is the currency of USA.
Eagle is the National Bird of USA.
```

```python
In [2]:  def some(a=None,b=None,c=None,d=None):

             if b==None and c==None and d==None:
                 print(a)

             elif d== None and  c == None:
                 print(a/b)

             elif d == None:
                 print(a*b*c)

             else:
                 print(a+b+c+d)

         some(12,10,2,6)
```

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30
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```python
In [3]:  # A simple Python function to demonstrate Polymorphism

         def add(x, y, z = 0):
                 return x + y+z

         # Driver code
         print(add(2, 3))
         print(add(2, 3, 4))
```

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In [ ]:
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