

Task 1**What will be printed on the screen**

```
import numpy as np
list1 = [2,3,4,5]
list2 = [1,2,1,2]
x1 = np.array(list1)
x2 = np.array(list2)
x3 = x1 + x2
print(x3)
```

Also, what will be the output when (i) list1 = [2,5], list2=[1,4]
(ii) list1 = [6], list2 = [3]

Task 2**What will be printed on the screen**

```
import numpy as np
list1 = [2,3,4,5]
list2 = [1,2,1,2]
x1 = np.array(list1)
x2 = np.array(list2)
x3 = x1 - x2
print(x3)
```

Also, what will be the output when (i) list1 = [2,5], list2=[1,4]
(ii) list1 = [6], list2 = [3]

Task 3**What will be printed on the screen**

```
import numpy as np
list1 = [2,3,4,5]
list2 = [2,1,1,1]
x1 = np.array(list1)
x2 = np.array(list2)
x3 = x1 * x2
print(x3)
```

Also, what will be the output when (i) list1 = [2,3], list2=[4,5]
(ii) list1 = [6], list2 = [3]

Task 4**What will be printed on the screen**

```
import numpy as np
list1 = [2,8,4,12]
list2 = [1,2,1,2]
x1 = np.array(list1)
x2 = np.array(list2)
x3 = x1 / x2
print(x3)
```

Also, what will be the output when (i) list1 = [2,12], list2=[1,4]
(ii) list1 = [6], list2 = [3]

Task 5**What will be printed on the screen**

```
import numpy as np
list1 = [2,3,4,5]
list2 = [1,2,1,2]
x1 = np.array(list1)
x2 = np.array(list2)
x3 = x1 ** x2
print(x3)
```

Also, what will be the output when (i) list1 = [2,5], list2=[1,4]
(ii) list1 = [6], list2 = [3]

Task 6**What will be printed on the screen**

```
import numpy as np
list1 = [1,2,3,4,5]
list2 = [1,2,1,2,1]
list3 = [2,3,4,5,6]
x1 = np.array(list1)
x2 = np.array(list2)
x3 = np.array(list3)
y1 = x1 + 2*x2
print(y1)
y2 = y1 - x3
print(y2)
y3 = y2 * x1
print(y3)
y4 = y3 ** x2
print(y4)
```