```
import numpy as np
arr_1=[20,40,50,70,10]
arr_2=[6,2,9,7,1]
a=np.array(arr_1)
b=np.array(arr_2)
print(a)
```

```
[20 40 50 70 10]
```

```
print(b)
```

```
[6 2 9 7 1]
```

```
print(a+b)
```

```
[26 42 59 77 11]
```

```
print(a-b)
```

```
[14 38 41 63  9]
```

```
print(a*b)
```

```
[120  80 450 490  10]
```

```
print(a%b)
```

```
[2 0 5 0 0]
```

```
print(a.dot(b))
```

```
1150
```

```
sclr=3
print("sclarvariable:",sclr)
```

```
sclarvariable: 3
```

```
print("array:",a)
```

```
array: [20 40 50 70 10]
```

```
print("Result:",a*sclr)
```

```
Result: [ 60 120 150 210  30]
```

```
Start coding or generate with AI.
```

```
import numpy as np
a=np.array([[10,20],[30,40]])
b=np.array([[3,7],[5,9]])
print(a%b)
```

```
[[1 6]
 [0 4]]
```

```
def my_fun(x,y):
  if x>y:
    return x-y
  else:
    return y-x
arr_1=[10,7,2]
arr_2=[6,5,3]
v_fun=np.vectorize(my_fun)
print("array1:",arr_1)
print("array2:",arr_2)
print("Result:",v_fun(arr_1,arr_2))
```

```
array1: [10, 7, 2]
array2: [6, 5, 3]
Result: [4 2 1]
```